

Genome version 5.1.4.05.4578  
Copyright (c) 1993 - 2003 Compugen Ltd.

OK nucleic - nucleic search, using SW model

Run on: May 12, 2003, 01:02:58 ; Search time 1188 seconds

5879,355 Million cell updates/sec

PS-09-980-277-1

Hit(s):

Percent score: 24.0

Sequence: 1 paccatcatccgacacg.....ccgacatcatcttctctc 210

Scoring table:

Gap: 10.0, Gap: 1.0

Search:

205440 seqs, 1453102878 residues

Total number of hits satisfying chosen parameters: 4109280

Maximum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing:

Maximum Match: 0%

Listing first 45 summaries

Database: 1: Genbank+  
2: gb.hg+  
3: gb.hg+  
4: gb.hg+  
5: gb.ov+  
6: gb.pac+  
7: gb.pac+  
8: gb.pac+  
9: gb.pac+  
10: gb.pac+  
11: gb.pac+  
12: gb.pac+  
13: gb.pac+  
14: gb.pac+  
15: gb.pac+  
16: gb.pac+  
17: gb.pac+  
18: gb.pac+  
19: gb.pac+  
20: gb.pac+  
21: gb.pac+  
22: gb.pac+  
23: gb.pac+  
24: gb.pac+  
25: gb.pac+  
26: gb.pac+  
27: gb.pac+  
28: gb.pac+  
29: gb.pac+  
30: gb.pac+  
31: gb.pac+  
32: gb.pac+  
33: gb.pac+  
34: gb.pac+  
35: gb.pac+  
36: gb.pac+  
37: gb.pac+  
38: gb.pac+  
39: gb.pac+  
40: gb.pac+  
41: gb.pac+  
42: gb.pac+  
43: gb.pac+  
44: gb.pac+  
45: gb.pac+

Score greater than or equal to the score of the result being printed,  
and as derived by analysis of the total score distribution.

# SEQUENCES

Result No.	Score	Match	Length	DB ID	Description
1	40.8	17.0	6028	9	AC087435
2	40.8	17.0	15078	9	AC087435
3	40.8	17.0	15078	9	AC087435
4	40.8	17.0	15078	9	AC087435
5	40.8	17.0	15078	9	AC087435
6	40.8	17.0	15078	9	AC087435
7	39.8	16.6	57075	9	AC087435
8	38.2	16.0	16443	2	AC089537
9	38.2	16.0	16443	2	AC089537
10	38.4	16.0	16443	2	AC089537
11	38.2	16.0	16443	2	AC089537
12	38.2	16.0	16443	2	AC089537
13	38.2	16.0	16443	2	AC089537
14	37.6	15.7	17720	9	AC087435
15	37.6	15.7	17720	9	AC087435
16	37.6	15.7	17720	9	AC087435
17	37.2	15.5	68133	2	AC100012
18	37.2	15.5	68133	2	AC100012
19	37.2	15.5	68133	2	AC100012
20	37.2	15.5	68133	2	AC100012
21	36.8	15.3	4101	8	SPAC144
22	36.8	15.3	4101	8	SPAC144
23	36.8	15.3	4101	8	SPAC144
24	36.8	15.3	4101	8	SPAC144
25	36.8	15.3	4101	8	SPAC144
26	36.8	15.3	4101	8	SPAC144
27	36.8	15.3	4101	8	SPAC144
28	36.8	15.3	4101	8	SPAC144
29	36.8	15.3	4101	8	SPAC144
30	36.8	15.3	4101	8	SPAC144
31	36.8	15.3	4101	8	SPAC144
32	36.8	15.3	4101	8	SPAC144
33	36.8	15.3	4101	8	SPAC144
34	36.8	15.3	4101	8	SPAC144
35	36.8	15.3	4101	8	SPAC144
36	36.8	15.3	4101	8	SPAC144
37	36.8	15.3	4101	8	SPAC144
38	36.8	15.3	4101	8	SPAC144
39	36.8	15.3	4101	8	SPAC144
40	36.8	15.3	4101	8	SPAC144
41	36.8	15.3	4101	8	SPAC144
42	36.8	15.3	4101	8	SPAC144
43	36.8	15.3	4101	8	SPAC144
44	36.8	15.3	4101	8	SPAC144
45	36.8	15.3	4101	8	SPAC144

# ALIGNMENTS

Result No.	Score	Match	Length	DB ID	Description
1	40.8	17.0	6028	9	AC087435
2	40.8	17.0	15078	9	AC087435
3	40.8	17.0	15078	9	AC087435
4	40.8	17.0	15078	9	AC087435
5	40.8	17.0	15078	9	AC087435
6	40.8	17.0	15078	9	AC087435
7	39.8	16.6	57075	9	AC087435
8	38.2	16.0	16443	2	AC089537
9	38.2	16.0	16443	2	AC089537
10	38.4	16.0	16443	2	AC089537
11	38.2	16.0	16443	2	AC089537
12	38.2	16.0	16443	2	AC089537
13	38.2	16.0	16443	2	AC089537
14	37.6	15.7	17720	9	AC087435
15	37.6	15.7	17720	9	AC087435
16	37.6	15.7	17720	9	AC087435
17	37.2	15.5	68133	2	AC100012
18	37.2	15.5	68133	2	AC100012
19	37.2	15.5	68133	2	AC100012
20	37.2	15.5	68133	2	AC100012
21	36.8	15.3	4101	8	SPAC144
22	36.8	15.3	4101	8	SPAC144
23	36.8	15.3	4101	8	SPAC144
24	36.8	15.3	4101	8	SPAC144
25	36.8	15.3	4101	8	SPAC144
26	36.8	15.3	4101	8	SPAC144
27	36.8	15.3	4101	8	SPAC144
28	36.8	15.3	4101	8	SPAC144
29	36.8	15.3	4101	8	SPAC144
30	36.8	15.3	4101	8	SPAC144
31	36.8	15.3	4101	8	SPAC144
32	36.8	15.3	4101	8	SPAC144
33	36.8	15.3	4101	8	SPAC144
34	36.8	15.3	4101	8	SPAC144
35	36.8	15.3	4101	8	SPAC144
36	36.8	15.3	4101	8	SPAC144
37	36.8	15.3	4101	8	SPAC144
38	36.8	15.3	4101	8	SPAC144
39	36.8	15.3	4101	8	SPAC144
40	36.8	15.3	4101	8	SPAC144
41	36.8	15.3	4101	8	SPAC144
42	36.8	15.3	4101	8	SPAC144
43	36.8	15.3	4101	8	SPAC144
44	36.8	15.3	4101	8	SPAC144
45	36.8	15.3	4101	8	SPAC144

Prod. No. 1 is the number of results predicted by chance to have a





































[illegible]









```

      * 69704 72322: contig of 2619 bp in length
      * 72323 72422: gap of unknown length
      * 72423 74890: contig of 2468 bp in length
      * 74891 74990: gap of unknown length
      * 74991 77936: gap of unknown length
      * 77936 78038: gap of unknown length
      * 78038 80271: contig of 2234 bp in length
      * 80272 83452: gap of unknown length
      * 83453 83951: gap of unknown length
      * 83952 84865: contig of 1313 bp in length
      * 84866 87255: contig of 2280 bp in length
      * 87256 89706: gap of unknown length
      * 89706: contig of 2351 bp in length
      * 87356

Query Match      15.6% Score 37.4; db 2; length 220181;
Best Local Similarity 48.5% Pval: 6.1;
Matches 95; Conservative 0; Mismatches 101; Indels 0; Gaps 0;

db 28 AAAATCGTATACATGACGTGGCAAGACCTTACGACACATCCGAA 87
      ||| | | | | | | | | | | | | | | | | | | | |
db 1295 AAAAATTTTCACAGGGGGGGGGGGGGGGGGGGGGGGGGGGGG 1354
      ||| | | | | | | | | | | | | | | | | | |
db 88 ACCATGGACGATTTTCATGATTTTTCATGACGTGGCACTGCTGAAATA 147
      ||| | | | | | | | | | | | | | | | | | |
db 1355 AAAACCCCCCCCCCCCCCTTTTTCCTGGCCCCCCCCCCCCCA 1414
      ||| | | | | | | | | | | | | | | | | | |
db 148 CTCACCAAAATGATTTTCGACACGTGGGCGCTTAAATTAATAA 207
      ||| | | | | | | | | | | | | | | | | | |
db 1415 AAAAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 1474
      ||| | | | | | | | | | | | | | | | | | |
db 208 AACTTCGACCCG 223
      ||| | | | | | | | | | | | | | | | | | |
db 1475 NNTTTCGCCCCG 1490
      ||| | | | | | | | | | | | | | | | | | |

```

Search completed: May 12, 2003, 01:46:42  
 Job time : 1713 secs















CC flavivirus, chimeric viruses containing the attenuation-mutated non-  
 CC structural genes of the virus are used as a backbone into which the  
 CC structural protein genes of a second flavivirus strain are inserted.  
 CC These chimeric viruses elicit pronounced immunogenicity but lack the  
 CC ability to cause disease in mice.  
 CC Flaviviruses are combined in a pharmaceutical composition to confer  
 CC simultaneous immunity against several strains of pathogenic flaviviruses  
 CC (as dengue virus serotypes DENV-1, DENV-2, DENV-3 and DENV-4, immunogenic  
 CC flaviviruses are also used as immunogens or multivalent vaccines)  
 CC to confer simultaneous protection against infections. The present chimeric  
 CC sequence encodes dengue virus (DENV-2)/W. fusion protein related to the  
 CC sequence of the non-structural protein (NS3)-250 and the chimeric  
 CC capsid protein (C), premembrane/envelope protein (prE) and the chimeric  
 CC protein (E) from the vaccine strain of Dengue-1 (DENV-1) PRK-13 virus.  
 CC Sequence 10733 BP: 3514 A; 2228 C; 2722 G; 2257 T; 0 other;  
 CC  
 CC Query Match 14 09; Score 33.6; DB 22; Length 10733;  
 CC Bases total: 50 74; Positives: 84; Identals: 0; Gaps: 0;  
 CC Matches 84; Conservative: 0; Mismatches 84; Indels: 0;  
 CC  
 CC 27 GAAATCTCTTATCTCAATCTGATCTCTGTCAGATCTTCTTACCAATCTCTCCCA 86  
 CC 153 GAAATCTCTTATCTCAATCTGATCTCTGTCAGATCTTCTTACCAATCTCTCCCA 212  
 CC 07 AATCTCTTATCTCAATCTGATCTCTGTCAGATCTTCTTACCAATCTCTCCCA 146  
 CC 87 AATCTCTTATCTCAATCTGATCTCTGTCAGATCTTCTTACCAATCTCTCCCA 146  
 CC 213 AATCTCTTATCTCAATCTGATCTCTGTCAGATCTTCTTACCAATCTCTCCCA 272  
 CC 147 AATCTCTTATCTCAATCTGATCTCTGTCAGATCTTCTTACCAATCTCTCCCA 134  
 CC 273 AATCTCTTATCTCAATCTGATCTCTGTCAGATCTTCTTACCAATCTCTCCCA 320  
 CC  
 CC RESULT 12  
 CC AAD1602 standard: chimeric, 10735 BP.  
 CC AAD1601  
 CC 01-NW-2001 (first entry)  
 CC  
 CC WILD-type, virulent DENV-1/6007 cDNA.  
 CC  
 CC playavirus; dengue virus-1; DENV-1; vaccine; infection; virucidal;  
 CC virulent; immunogenic; viral disease; pharmaceutical; ss.  
 CC  
 CC Dengue virus type I.  
 CC  
 CC Key Location/Qualifiers  
 CC CDS /tag=273  
 CC /product= "DENV-1, 16007 protein".  
 CC  
 CC WC20010847-32.  
 CC 23-AUG-2001.  
 CC 16-FEB-2001, 2001NW-0805143.  
 CC (GSSS) US DEPT HEALTH & HUMAN SERVICES.  
 CC  
 CC Kinney RM, Kinney CM, Butropet S, Gubler DL, Bhattacharya N;  
 CC WPI: 2001-49162/75.  
 CC P-FSDB: AAD07980.  
 CC  
 CC Chimeric flaviviruses that are virulent and immunogenic, useful for  
 CC vaccinating against a range of dengue viruses

CC Example 1; Page 106-122; 470pp; English.  
 CC  
 CC The invention relates to virulent, immunogenic flavivirus chimeras  
 CC comprising at least one mutation in the non-structural proteins of a  
 CC structural protein gene of the virus are used as a backbone into which the  
 CC structural protein genes of a second flavivirus strain are inserted.  
 CC These chimeric viruses elicit pronounced immunogenicity but lack the  
 CC ability to cause disease in mice.  
 CC Flaviviruses are combined in a pharmaceutical composition to confer  
 CC simultaneous immunity against several strains of pathogenic flaviviruses  
 CC (as dengue virus serotypes DENV-1, DENV-2, DENV-3 and DENV-4, immunogenic  
 CC flaviviruses are also used as immunogens or multivalent vaccines)  
 CC to confer simultaneous protection against infections. The present chimeric  
 CC sequence encodes wild type, virulent dengue-1 (DENV-1, 16007 virus protein  
 CC related to the sequence of the non-structural protein (NS3)-250 and the  
 CC capsid protein (C), premembrane/envelope protein (prE) and the chimeric  
 CC protein (E) from the vaccine strain of Dengue-1 (DENV-1) PRK-13 virus.  
 CC Sequence 10733 BP: 3432 A; 2252 C; 2774 G; 2257 T; 0 other;  
 CC  
 CC Query Match 14 09; Score 33.6; DB 22; Length 10735;  
 CC Bases total: 50 74; Positives: 84; Identals: 0; Gaps: 0;  
 CC Matches 84; Conservative: 0; Mismatches 84; Indels: 0;  
 CC  
 CC 27 GAAATCTCTTATCTCAATCTGATCTCTGTCAGATCTTCTTACCAATCTCTCCCA 86  
 CC 153 GAAATCTCTTATCTCAATCTGATCTCTGTCAGATCTTCTTACCAATCTCTCCCA 210  
 CC 07 AATCTCTTATCTCAATCTGATCTCTGTCAGATCTTCTTACCAATCTCTCCCA 146  
 CC 87 AATCTCTTATCTCAATCTGATCTCTGTCAGATCTTCTTACCAATCTCTCCCA 146  
 CC 211 AATCTCTTATCTCAATCTGATCTCTGTCAGATCTTCTTACCAATCTCTCCCA 270  
 CC 147 AATCTCTTATCTCAATCTGATCTCTGTCAGATCTTCTTACCAATCTCTCCCA 134  
 CC 273 AATCTCTTATCTCAATCTGATCTCTGTCAGATCTTCTTACCAATCTCTCCCA 318  
 CC  
 CC RESULT 13  
 CC AAD1602 standard: chimeric, 10735 BP.  
 CC AAD1602  
 CC 01-NW-2001 (first entry)  
 CC  
 CC Attenuated, vaccine-strain DENV-1 PRK-13 variant cDNA.  
 CC  
 CC playavirus; dengue virus-1; DENV-1; vaccine; infection; virucidal; mutagen;  
 CC virulent; immunogenic; viral disease; pharmaceutical; mutant; vaccine;  
 CC ss.  
 CC Dengue virus type I.  
 CC  
 CC Key Location/Qualifiers  
 CC CDS /tag=273  
 CC /product= "DENV-1 PRK-13 protein variant".  
 CC  
 CC 95-10273  
 CC 16-FEB-2001, 2001NW-0805143.  
 CC (GSSS) US DEPT HEALTH & HUMAN SERVICES.  
 CC  
 CC Kinney RM, Kinney CM, Butropet S, Gubler DL, Bhattacharya N;  
 CC WPI: 2001-49162/75.  
 CC P-FSDB: AAD07980.  
 CC  
 CC Chimeric flaviviruses that are virulent and immunogenic, useful for  
 CC vaccinating against a range of dengue viruses











TYPE: nucleic acid  
STRANDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: CINA sequence corresponding to  
the sequence of the genomic DNA of DENV-5273/90  
HYPOTHECAL: NO  
NNT-SENSE: NO  
ORIGINAL SOURCE: GenBank  
STRAIN: 9275/90  
LOCATION: BL 10268  
US-08-325-4268-1

Query Match  
Best Local Similarity 12.7% Score 30.4; DB 3; Length 1075;  
Matches 82; Conservative 0; Mismatches 86; Indels 0; Gaps 0;

DB 27 GAAATCGGTATACCTGACCTGATGCTGACGACGACCTTACCAAGATCTTC 66  
DB 137 GAAATCGGTATACCTGACCTGATGCTGACGACGACCTTACCAAGATCTTC 196  
DB 87 AACCTGACGACCTGATGCTGACGACGACCTTACCAAGATCTTC 146  
DB 197 AACCTGACGACCTGATGCTGACGACGACCTTACCAAGATCTTC 236  
DB 147 ACTGACGACCTGATGCTGACGACGACCTTACCAAGATCTTC 194  
DB 257 ACCGACGACCTGATGCTGACGACGACCTTACCAAGATCTTC 304

## RESULT 4

Sequence 1: Application US/080650  
Patent No. 558011

GENERAL INFORMATION: The E  
TITLE OF INVENTION: Compositions, Treatments, and  
METHOD TYPE: Diagnostic for Schistosomiasis and Related Diseases  
COMPUTER READABLE FORM:  
ADDRESSER: Coley Edward  
STREET: 5 Palo Alto  
CITY: Palo Alto  
STATE: California  
COUNTRY: USA  
ZIP: 94306-2125  
COMPUTER READABLE FORM:  
METHOD TYPE: Diagnostic for Schistosomiasis and Related Diseases  
COMPUTER: IBM PC compatible  
SOFTWARE: Scientific Release 1.0, Version #1.25  
CURRENT APPLICATION DATA: 08/08/280.050  
CLASSIFICATION: 435  
ATTORNEY/AGENT INFORMATION:  
REGISTRATION NUMBER: 30.092  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 415-957-0650  
TELEFAX: 380616 Coolcaypa  
INFORMATION FOR SEQ ID NO: 1:  
SEQUENCE CHARACTERISTICS:  
TYPE: nucleic acid  
TOPOLOGY: circular  
MOLECULE TYPE: DNA

NAME/TYPE: CDS  
LOCATION: 147..1489  
US-08-280-690-1

Query Match  
Best Local Similarity 12.0% Score 28.8; DB 1; Length 3047;  
Matches 75; Conservative 0; Mismatches 77; Indels 0; Gaps 0;

DB 51 GCTGCTGACGACCTGATGCTGACGACCTTACCAAGATCTTC 110  
DB 861 GATATGCTGACCTGATGCTGACGACCTTACCAAGATCTTC 920  
DB 111 GCTGCTGACGACCTGATGCTGACGACCTTACCAAGATCTTC 170  
DB 921 GCTGCTGACGACCTGATGCTGACGACCTTACCAAGATCTTC 940  
DB 171 GAAATCGGTATACCTGACCTGATGCTGACGACCTTACCAAGATCTTC 202  
DB 581 GAAATCGGTATACCTGACCTGATGCTGACGACCTTACCAAGATCTTC 1012

## RESULT 5

Sequence 1: Application US/046439A  
Patent No. 5747280

GENERAL INFORMATION: US, JP, N.  
TITLE OF INVENTION: Human Vascular IPF-Like Growth  
METHOD TYPE: Factor  
COMPUTER READABLE FORM:  
ADDRESSER: CARRELLA, BYRNE, BAIN, GIUFFRAN,  
CITY: ROSHARON  
STATE: NEW JERSEY  
COUNTRY: USA  
ZIP: 07068-1000  
COMPUTER READABLE FORM:  
METHOD TYPE: 3.5 inch DISKETTE  
COMPUTER: IBM PC/XT, MS-DOS  
SOFTWARE: WORD PERFECT 5.1  
CURRENT APPLICATION DATA: 08/08/464.339A  
CLASSIFICATION: 516  
ATTORNEY/AGENT INFORMATION:  
REGISTRATION NUMBER: 33.073  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 201-994-1744  
INFORMATION FOR SEQ ID NO: 1:  
SEQUENCE CHARACTERISTICS:  
TYPE: NUCLEIC ACID  
TOPOLOGY: linear  
MOLECULE TYPE: CINA

Query Match  
Best Local Similarity 11.9% Score 28.6; DB 1; Length 1271;  
Matches 73; Conservative 1; Mismatches 76; Indels 0; Gaps 0;

DB 13 AACACGCTGCTGATGCTGACGACCTTACCAAGATCTTC 72  
DB 1240 AACACGCTGCTGATGCTGACGACCTTACCAAGATCTTC 1181



[illegible]





SEQUENCE CHARACTERISTICS:  
 LENGTH: 7351 base pairs  
 TYPE: nucleic acid  
 STRAND: double  
 STRANDNESS: single  
 ORIENTATION: 5' to 3'  
 MOLECULE TYPE: cDNA  
 US-08-184-009-127

Query Match 11.8%; Score 28.2; DB 2; Length 7351;  
 Best Local Similarity 48.4%; Pred. No. 20;  
 Matches 78; Conservative 0; Mismatches 83; Indels 0; Gaps 0;

DB 28 AATACCTGTTATCTACATCTGTCACAGTGGAGATCTTTCACATCTGCAACACTGCA 87  
 DB 6554 AATATGTTAAATTTTATTTTCACAGTGGAGATCTTTCACATCTGCAACACTGCA 87  
 DB 88 ACACGTGCGAGATTTTATTCACAGTGGAGATCTTTCACATCTGCAACACTGCA 147  
 DB 6554 TTATGTGATATATTTTAAATATATGATATATATATATATATATATATATATATAT 6535  
 DB 148 CTGACAAACAAAT 188  
 DB 6534 AT 6494

ENTRY 14  
 US-08-566-398-33/C  
 Sequence 39, Application US/0856398  
 Entry No. 568373  
 STRAIN: 566-398-33  
 APPLICANT: Procliti, Enzo  
 TITLE OF INVENTION: RECOMBINANT FOVIRUS - FELINE INFECTIONS  
 TITLE OF INVENTION: RECOMBINANT FOVIRUS - FELINE INFECTIONS  
 TITLE OF INVENTION: RECOMBINANT FOVIRUS - FELINE INFECTIONS  
 TITLE OF INVENTION: RECOMBINANT FOVIRUS - FELINE INFECTIONS  
 NUMBER OF SEQUENCES: 63  
 ADDRESS: Outlets, Morris & Saford, P.C.  
 STREET: 530 Fifth Avenue  
 CITY: NY  
 STATE: NY  
 COUNTRY: USA  
 ZIP: 10066  
 COMMENTS: RECOMBINANT FOVIRUS  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE SYSTEM: RETAS RELEASE 11.0, Version 11.30  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/08/566,398  
 CLASSIFICATION: 424, 1995  
 INFORMATION FOR SEQ ID NO: 39:  
 NAME: FORMER, William S.  
 REFERENCE/DOCKET NUMBER: 454310-2880  
 TELEPHONE: (212) 840-0712  
 INFORMATION FOR SEQ ID NO: 39:  
 TYPE: nucleic acid  
 STRANDNESS: single  
 MOLECULE TYPE: cDNA (genomic)  
 US-08-566-398-39

Query Match 11.8%; Score 28.2; DB 2; Length 7351;  
 Best Local Similarity 48.4%; Pred. No. 20;  
 Matches 78; Conservative 0; Mismatches 83; Indels 0; Gaps 0;

DB 28 AATACCTGTTATCTACATCTGTCACAGTGGAGATCTTTCACATCTGCAACACTGCA 87

DB 6554 AATATGTTAAATTTTATTTTCACAGTGGAGATCTTTCACATCTGCAACACTGCA 87  
 DB 88 ACACGTGCGAGATTTTATTCACAGTGGAGATCTTTCACATCTGCAACACTGCA 147  
 DB 6554 TTATGTGATATATTTTAAATATATGATATATATATATATATATATATATATATAT 6535  
 DB 148 CTGACAAACAAAT 188  
 DB 6534 AT 6494

RESULT 13  
 US-08-458-356-127/C  
 Sequence 127, Application US/08458356  
 Entry No. 458356  
 STRAIN: 458-356-127  
 APPLICANT: Procliti, Enzo  
 TITLE OF INVENTION: RECOMBINANT FOVIRUS IMMUNOTHERAPY  
 TITLE OF INVENTION: RECOMBINANT FOVIRUS IMMUNOTHERAPY  
 TITLE OF INVENTION: RECOMBINANT FOVIRUS IMMUNOTHERAPY  
 NUMBER OF SEQUENCES: 217  
 ADDRESS: Outlets, Morris & Saford  
 STREET: 530 Fifth Avenue  
 CITY: NY  
 STATE: NY  
 COUNTRY: USA  
 ZIP: 10066  
 COMMENTS: RECOMBINANT FOVIRUS  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE SYSTEM: RETAS RELEASE 11.0, Version 11.25  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/08/458,356  
 CLASSIFICATION: 424, 1995  
 INFORMATION FOR SEQ ID NO: 127:  
 NAME: FORMER, William S.  
 REFERENCE/DOCKET NUMBER: 454310-2530  
 TELEPHONE: (212) 840-0712  
 INFORMATION FOR SEQ ID NO: 127:  
 TYPE: nucleic acid  
 STRANDNESS: single  
 MOLECULE TYPE: cDNA  
 US-08-458-356-127

Query Match 11.8%; Score 28.2; DB 2; Length 7351;  
 Best Local Similarity 48.4%; Pred. No. 20;  
 Matches 78; Conservative 0; Mismatches 83; Indels 0; Gaps 0;

DB 28 AATACCTGTTATCTACATCTGTCACAGTGGAGATCTTTCACATCTGCAACACTGCA 87  
 DB 6554 AATATGTTAAATTTTATTTTCACAGTGGAGATCTTTCACATCTGCAACACTGCA 87  
 DB 88 ACACGTGCGAGATTTTATTCACAGTGGAGATCTTTCACATCTGCAACACTGCA 147  
 DB 6554 TTATGTGATATATTTTAAATATATGATATATATATATATATATATATATATATAT 6535  
 DB 148 CTGACAAACAAAT 188  
 DB 6534 AT 6494



The May 13 09:58:32 2003

us-09-980-277-1.rml

Page 9

Search completed: May 12, 2003, 02:38:28  
JMS time : 154.429 secs

---









































\* 33702 34808: contig of 1107 bp in length





REFERENCE 1 (bases 1 to 156568)  
 Human: Human Genome Institute and Stanford Human Genome Center.

REFERENCE 2 (bases 1 to 156568)  
 Human: Human Genome Institute.

REFERENCE 3 (bases 1 to 156568)  
 Human: Human Genome Institute.

REFERENCE 4 (bases 1 to 156568)  
 Human: Human Genome Institute.

REFERENCE 5 (bases 1 to 156568)  
 Human: Human Genome Institute.

REFERENCE 6 (bases 1 to 156568)  
 Human: Human Genome Institute.

REFERENCE 7 (bases 1 to 156568)  
 Human: Human Genome Institute.

REFERENCE 8 (bases 1 to 156568)  
 Human: Human Genome Institute.

REFERENCE 9 (bases 1 to 156568)  
 Human: Human Genome Institute.

REFERENCE 10 (bases 1 to 156568)  
 Human: Human Genome Institute.

REFERENCE 11 (bases 1 to 156568)  
 Human: Human Genome Institute.

REFERENCE 12 (bases 1 to 156568)  
 Human: Human Genome Institute.

REFERENCE 13 (bases 1 to 156568)  
 Human: Human Genome Institute.

REFERENCE 14 (bases 1 to 156568)  
 Human: Human Genome Institute.

REFERENCE 15 (bases 1 to 156568)  
 Human: Human Genome Institute.

REFERENCE 16 (bases 1 to 156568)  
 Human: Human Genome Institute.

REFERENCE 17 (bases 1 to 156568)  
 Human: Human Genome Institute.

REFERENCE 18 (bases 1 to 156568)  
 Human: Human Genome Institute.

REFERENCE 19 (bases 1 to 156568)  
 Human: Human Genome Institute.

REFERENCE 20 (bases 1 to 156568)  
 Human: Human Genome Institute.

REFERENCE 21 (bases 1 to 156568)  
 Human: Human Genome Institute.

REFERENCE 22 (bases 1 to 156568)  
 Human: Human Genome Institute.

REFERENCE 23 (bases 1 to 156568)  
 Human: Human Genome Institute.

REFERENCE 24 (bases 1 to 156568)  
 Human: Human Genome Institute.

REFERENCE 25 (bases 1 to 156568)  
 Human: Human Genome Institute.

REFERENCE 26 (bases 1 to 156568)  
 Human: Human Genome Institute.

REFERENCE 27 (bases 1 to 156568)  
 Human: Human Genome Institute.

REFERENCE 28 (bases 1 to 156568)  
 Human: Human Genome Institute.

REFERENCE 29 (bases 1 to 156568)  
 Human: Human Genome Institute.

REFERENCE 30 (bases 1 to 156568)  
 Human: Human Genome Institute.

```

misc.feature      15165..22781
misc.feature      22882..39617
misc.feature      39918..55842
misc.feature      55843..102439
misc.feature      102440..115811
misc.feature      115812..135313
misc.feature      135314..158113
misc.feature      158114..17746 bp
misc.feature      17747..19721
misc.feature      19722..2002
misc.feature      2003..21746 bp
misc.feature      21747..23500
misc.feature      23501..25000
misc.feature      25001..26746 bp
misc.feature      26747..28500
misc.feature      28501..30246 bp
misc.feature      30247..32000
misc.feature      32001..33746 bp
misc.feature      33747..35500
misc.feature      35501..37246 bp
misc.feature      37247..39000
misc.feature      39001..40746 bp
misc.feature      40747..42500
misc.feature      42501..44246 bp
misc.feature      44247..46000
misc.feature      46001..47746 bp
misc.feature      47747..49500
misc.feature      49501..51246 bp
misc.feature      51247..53000
misc.feature      53001..54746 bp
misc.feature      54747..56500
misc.feature      56501..58246 bp
misc.feature      58247..60000
misc.feature      60001..61746 bp
misc.feature      61747..63500
misc.feature      63501..65246 bp
misc.feature      65247..67000
misc.feature      67001..68746 bp
misc.feature      68747..70500
misc.feature      70501..72246 bp
misc.feature      72247..74000
misc.feature      74001..75746 bp
misc.feature      75747..77500
misc.feature      77501..79246 bp
misc.feature      79247..81000
misc.feature      81001..82746 bp
misc.feature      82747..84500
misc.feature      84501..86246 bp
misc.feature      86247..88000
misc.feature      88001..89746 bp
misc.feature      89747..91500
misc.feature      91501..93246 bp
misc.feature      93247..95000
misc.feature      95001..96746 bp
misc.feature      96747..98500
misc.feature      98501..100246 bp
misc.feature      100247..102000
misc.feature      102001..103746 bp
misc.feature      103747..105500
misc.feature      105501..107246 bp
misc.feature      107247..109000
misc.feature      109001..110746 bp
misc.feature      110747..112500
misc.feature      112501..114246 bp
misc.feature      114247..116000
misc.feature      116001..117746 bp
misc.feature      117747..119500
misc.feature      119501..121246 bp
misc.feature      121247..123000
misc.feature      123001..124746 bp
misc.feature      124747..126500
misc.feature      126501..128246 bp
misc.feature      128247..130000
misc.feature      130001..131746 bp
misc.feature      131747..133500
misc.feature      133501..135246 bp
misc.feature      135247..137000
misc.feature      137001..138746 bp
misc.feature      138747..140500
misc.feature      140501..142246 bp
misc.feature      142247..144000
misc.feature      144001..145746 bp
misc.feature      145747..147500
misc.feature      147501..149246 bp
misc.feature      149247..151000
misc.feature      151001..152746 bp
misc.feature      152747..154500
misc.feature      154501..156246 bp
misc.feature      156247..158000
misc.feature      158001..159746 bp
misc.feature      159747..161500
misc.feature      161501..163246 bp
misc.feature      163247..165000
misc.feature      165001..166746 bp
misc.feature      166747..168500
misc.feature      168501..170246 bp
misc.feature      170247..172000
misc.feature      172001..173746 bp
misc.feature      173747..175500
misc.feature      175501..177246 bp
misc.feature      177247..179000
misc.feature      179001..180746 bp
misc.feature      180747..182500
misc.feature      182501..184246 bp
misc.feature      184247..186000
misc.feature      186001..187746 bp
misc.feature      187747..189500
misc.feature      189501..191246 bp
misc.feature      191247..193000
misc.feature      193001..194746 bp
misc.feature      194747..196500
misc.feature      196501..198246 bp
misc.feature      198247..200000
misc.feature      200001..201746 bp
misc.feature      201747..203500
misc.feature      203501..205246 bp
misc.feature      205247..207000
misc.feature      207001..208746 bp
misc.feature      208747..210500
misc.feature      210501..212246 bp
misc.feature      212247..214000
misc.feature      214001..215746 bp
misc.feature      215747..217500
misc.feature      217501..219246 bp
misc.feature      219247..221000
misc.feature      221001..222746 bp
misc.feature      222747..224500
misc.feature      224501..226246 bp
misc.feature      226247..228000
misc.feature      228001..229746 bp
misc.feature      229747..231500
misc.feature      231501..233246 bp
misc.feature      233247..235000
misc.feature      235001..236746 bp
misc.feature      236747..238500
misc.feature      238501..240246 bp
misc.feature      240247..242000
misc.feature      242001..243746 bp
misc.feature      243747..245500
misc.feature      245501..247246 bp
misc.feature      247247..249000
misc.feature      249001..250746 bp
misc.feature      250747..252500
misc.feature      252501..254246 bp
misc.feature      254247..256000
misc.feature      256001..257746 bp
misc.feature      257747..259500
misc.feature      259501..261246 bp
misc.feature      261247..263000
misc.feature      263001..264746 bp
misc.feature      264747..266500
misc.feature      266501..268246 bp
misc.feature      268247..270000
misc.feature      270001..271746 bp
misc.feature      271747..273500
misc.feature      273501..275246 bp
misc.feature      275247..277000
misc.feature      277001..278746 bp
misc.feature      278747..280500
misc.feature      280501..282246 bp
misc.feature      282247..284000
misc.feature      284001..285746 bp
misc.feature      285747..287500
misc.feature      287501..289246 bp
misc.feature      289247..291000
misc.feature      291001..292746 bp
misc.feature      292747..294500
misc.feature      294501..296246 bp
misc.feature      296247..298000
misc.feature      298001..299746 bp
misc.feature      299747..301500
misc.feature      301501..303246 bp
misc.feature      303247..305000
misc.feature      305001..306746 bp
misc.feature      306747..308500
misc.feature      308501..310246 bp
misc.feature      310247..312000
misc.feature      312001..313746 bp
misc.feature      313747..315500
misc.feature      315501..317246 bp
misc.feature      317247..319000
misc.feature      319001..320746 bp
misc.feature      320747..322500
misc.feature      322501..324246 bp
misc.feature      324247..326000
misc.feature      326001..327746 bp
misc.feature      327747..329500
misc.feature      329501..331246 bp
misc.feature      331247..333000
misc.feature      333001..334746 bp
misc.feature      334747..336500
misc.feature      336501..338246 bp
misc.feature      338247..340000
misc.feature      340001..341746 bp
misc.feature      341747..343500
misc.feature      343501..345246 bp
misc.feature      345247..347000
misc.feature      347001..348746 bp
misc.feature      348747..350500
misc.feature      350501..352246 bp
misc.feature      352247..354000
misc.feature      354001..355746 bp
misc.feature      355747..357500
misc.feature      357501..359246 bp
misc.feature      359247..361000
misc.feature      361001..362746 bp
misc.feature      362747..364500
misc.feature      364501..366246 bp
misc.feature      366247..368000
misc.feature      368001..369746 bp
misc.feature      369747..371500
misc.feature      371501..373246 bp
misc.feature      373247..375000
misc.feature      375001..376746 bp
misc.feature      376747..378500
misc.feature      378501..380246 bp
misc.feature      380247..382000
misc.feature      382001..383746 bp
misc.feature      383747..385500
misc.feature      385501..387246 bp
misc.feature      387247..389000
misc.feature      389001..390746 bp
misc.feature      390747..392500
misc.feature      392501..394246 bp
misc.feature      394247..396000
misc.feature      396001..397746 bp
misc.feature      397747..399500
misc.feature      399501..401246 bp
misc.feature      401247..403000
misc.feature      403001..404746 bp
misc.feature      404747..406500
misc.feature      406501..408246 bp
misc.feature      408247..410000
misc.feature      410001..411746 bp
misc.feature      411747..413500
misc.feature      413501..415246 bp
misc.feature      415247..417000
misc.feature      417001..418746 bp
misc.feature      418747..420500
misc.feature      420501..422246 bp
misc.feature      422247..424000
misc.feature      424001..425746 bp
misc.feature      425747..427500
misc.feature      427501..429246 bp
misc.feature      429247..431000
misc.feature      431001..432746 bp
misc.feature      432747..434500
misc.feature      434501..436246 bp
misc.feature      436247..438000
misc.feature      438001..439746 bp
misc.feature      439747..441500
misc.feature      441501..443246 bp
misc.feature      443247..445000
misc.feature      445001..446746 bp
misc.feature      446747..448500
misc.feature      448501..450246 bp
misc.feature      450247..452000
misc.feature      452001..453746 bp
misc.feature      453747..455500
misc.feature      455501..457246 bp
misc.feature      457247..459000
misc.feature      459001..460746 bp
misc.feature      460747..462500
misc.feature      462501..464246 bp
misc.feature      464247..466000
misc.feature      466001..467746 bp
misc.feature      467747..469500
misc.feature      469501..471246 bp
misc.feature      471247..473000
misc.feature      473001..474746 bp
misc.feature      474747..476500
misc.feature      476501..478246 bp
misc.feature      478247..480000
misc.feature      480001..481746 bp
misc.feature      481747..483500
misc.feature      483501..485246 bp
misc.feature      485247..487000
misc.feature      487001..488746 bp
misc.feature      488747..490500
misc.feature      490501..492246 bp
misc.feature      492247..494000
misc.feature      494001..495746 bp
misc.feature      495747..497500
misc.feature      497501..499246 bp
misc.feature      499247..501000
misc.feature      501001..502746 bp
misc.feature      502747..504500
misc.feature      504501..506246 bp
misc.feature      506247..508000
misc.feature      508001..509746 bp
misc.feature      509747..511500
misc.feature      511501..513246 bp
misc.feature      513247..515000
misc.feature      515001..516746 bp
misc.feature      516747..518500
misc.feature      518501..520246 bp
misc.feature      520247..522000
misc.feature      522001..523746 bp
misc.feature      523747..525500
misc.feature      525501..527246 bp
misc.feature      527247..529000
misc.feature      529001..530746 bp
misc.feature      530747..532500
misc.feature      532501..534246 bp
misc.feature      534247..536000
misc.feature      536001..537746 bp
misc.feature      537747..539500
misc.feature      539501..541246 bp
misc.feature      541247..543000
misc.feature      543001..544746 bp
misc.feature      544747..546500
misc.feature      546501..548246 bp
misc.feature      548247..550000
misc.feature      550001..551746 bp
misc.feature      551747..553500
misc.feature      553501..555246 bp
misc.feature      555247..557000
misc.feature      557001..558746 bp
misc.feature      558747..560500
misc.feature      560501..562246 bp
misc.feature      562247..564000
misc.feature      564001..565746 bp
misc.feature      565747..567500
misc.feature      567501..569246 bp
misc.feature      569247..571000
misc.feature      571001..572746 bp
misc.feature      572747..574500
misc.feature      574501..576246 bp
misc.feature      576247..578000
misc.feature      578001..579746 bp
misc.feature      579747..581500
misc.feature      581501..583246 bp
misc.feature      583247..585000
misc.feature      585001..586746 bp
misc.feature      586747..588500
misc.feature      588501..590246 bp
misc.feature      590247..592000
misc.feature      592001..593746 bp
misc.feature      593747..595500
misc.feature      595501..597246 bp
misc.feature      597247..599000
misc.feature      599001..600746 bp
misc.feature      600747..602500
misc.feature      602501..604246 bp
misc.feature      604247..606000
misc.feature      606001..607746 bp
misc.feature      607747..609500
misc.feature      609501..611246 bp
misc.feature      611247..613000
misc.feature      613001..614746 bp
misc.feature      614747..616500
misc.feature      616501..618246 bp
misc.feature      618247..620000
misc.feature      620001..621746 bp
misc.feature      621747..623500
misc.feature      623501..625246 bp
misc.feature      625247..627000
misc.feature      627001..628746 bp
misc.feature      628747..630500
misc.feature      630501..632246 bp
misc.feature      632247..634000
misc.feature      634001..635746 bp
misc.feature      635747..637500
misc.feature      637501..639246 bp
misc.feature      639247..641000
misc.feature      641001..642746 bp
misc.feature      642747..644500
misc.feature      644501..646246 bp
misc.feature      646247..648000
misc.feature      648001..649746 bp
misc.feature      649747..651500
misc.feature      651501..653246 bp
misc.feature      653247..655000
misc.feature      655001..656746 bp
misc.feature      656747..658500
misc.feature      658501..660246 bp
misc.feature      660247..662000
misc.feature      662001..663746 bp
misc.feature      663747..665500
misc.feature      665501..667246 bp
misc.feature      667247..669000
misc.feature      669001..670746 bp
misc.feature      670747..672500
misc.feature      672501..674246 bp
misc.feature      674247..676000
misc.feature      676001..677746 bp
misc.feature      677747..679500
misc.feature      679501..681246 bp
misc.feature      681247..683000
misc.feature      683001..684746 bp
misc.feature      684747..686500
misc.feature      686501..688246 bp
misc.feature      688247..690000
misc.feature      690001..691746 bp
misc.feature      691747..693500
misc.feature      693501..695246 bp
misc.feature      695247..697000
misc.feature      697001..698746 bp
misc.feature      698747..700500
misc.feature      700501..702246 bp
misc.feature      702247..704000
misc.feature      704001..705746 bp
misc.feature      705747..707500
misc.feature      707501..709246 bp
misc.feature      709247..711000
misc.feature      711001..712746 bp
misc.feature      712747..714500
misc.feature      714501..716246 bp
misc.feature      716247..718000
misc.feature      718001..719746 bp
misc.feature      719747..721500
misc.feature      721501..723246 bp
misc.feature      723247..725000
misc.feature      725001..726746 bp
misc.feature      726747..728500
misc.feature      728501..730246 bp
misc.feature      730247..732000
misc.feature      732001..733746 bp
misc.feature      733747..735500
misc.feature      735501..737246 bp
misc.feature      737247..739000
misc.feature      739001..740746 bp
misc.feature      740747..742500
misc.feature      742501..744246 bp
misc.feature      744247..746000
misc.feature      746001..747746 bp
misc.feature      747747..749500
misc.feature      749501..751246 bp
misc.feature      751247..753000
misc.feature      753001..754746 bp
misc.feature      754747..756500
misc.feature      756501..758246 bp
misc.feature      758247..760000
misc.feature      760001..761746 bp
misc.feature      761747..763500
misc.feature      763501..765246 bp
misc.feature      765247..767000
misc.feature      767001..768746 bp
misc.feature      768747..770500
misc.feature      770501..772246 bp
misc.feature      772247..774000
misc.feature      774001..775746 bp
misc.feature      775747..777500
misc.feature      777501..779246 bp
misc.feature      779247..781000
misc.feature      781001..782746 bp
misc.feature      782747..784500
misc.feature      784501..786246 bp
misc.feature      786247..788000
misc.feature      788001..789746 bp
misc.feature      789747..791500
misc.feature      791501..793246 bp
misc.feature      793247..795000
misc.feature      795001..796746 bp
misc.feature      796747..798500
misc.feature      798501..800246 bp
misc.feature      800247..802000
misc.feature      802001..803746 bp
misc.feature      803747..805500
misc.feature      805501..807246 bp
misc.feature      807247..809000
misc.feature      809001..810746 bp
misc.feature      810747..812500
misc.feature      812501..814246 bp
misc.feature      814247..816000
misc.feature      816001..817746 bp
misc.feature      817747..819500
misc.feature      819501..821246 bp
misc.feature      821247..823000
misc.feature      823001..824746 bp
misc.feature      824747..826500
misc.feature      826501..828246 bp
misc.feature      828247..830000
misc.feature      830001..831746 bp
misc.feature      831747..833500
misc.feature      833501..835246 bp
misc.feature      835247..837000
misc.feature      837001..838746 bp
misc.feature      838747..840500
misc.feature      840501..842246 bp
misc.feature      842247..844000
misc.feature      844001..845746 bp
misc.feature      845747..847500
misc.feature      847501..849246 bp
misc.feature      849247..851000
misc.feature      851001..852746 bp
misc.feature      852747..854500
misc.feature      854501..856246 bp
misc.feature      856247..858000
misc.feature      858001..859746 bp
misc.feature      859747..861500
misc.feature      861501..863246 bp
misc.feature      863247..865000
misc.feature      865001..866746 bp
misc.feature      866747..868500
misc.feature      868501..870246 bp
misc.feature      870247..872000
misc.feature      872001..873746 bp
misc.feature      873747..875500
misc.feature      875501..877246 bp
misc.feature      877247..879000
misc.feature      879001..880746 bp
misc.feature      880747..882500
misc.feature      882501..884246 bp
misc.feature      884247..886000
misc.feature      886001..887746 bp
misc.feature      887747..889500
misc.feature      889501..891246 bp
misc.feature      891247..893000
misc.feature      893001..894746 bp
misc.feature      894747..896500
misc.feature      896501..898246 bp
misc.feature      898247..900000
misc.feature      900001..901746 bp
misc.feature      901747..903500
misc.feature      903501..905246 bp
misc.feature      905247..907000
misc.feature      907001..908746 bp
misc.feature      908747..910500
misc.feature      910501..912246 bp
misc.feature      912247..914000
misc.feature      914001..915746 bp
misc.feature      915747..917500
misc.feature      917501..919246 bp
misc.feature      919247..921000
misc.feature      921001..922746 bp
misc.feature      922747..924500
misc.feature      924501..926246 bp
misc.feature      926247..928000
misc.feature      928001..929746 bp
misc.feature      929747..931500
misc.feature      931501..933246 bp
misc.feature      933247..935000
misc.feature      935001..936746 bp
misc.feature      936747..938500
misc.feature      938501..940246 bp
misc.feature      940247..942000
misc.feature      942001..943746 bp
misc.feature      943747..945500
misc.feature      945501..947246 bp
misc.feature      947247..949000
misc.feature      949001..950746 bp
misc.feature      950747..952500
misc.feature      952501..954246 bp
misc.feature      954247..956000
misc.feature      956001..957746 bp
misc.feature      957747..959500
misc.feature      959501..961246 bp
misc.feature      961247..963000
misc.feature      963001..964746 bp
misc.feature      964747..966500
misc.feature      966501..968246 bp
misc.feature      968247..970000
misc.feature      970001..971746 bp
misc.feature      971747..973500
misc.feature      973501..975246 bp
misc.feature      975247..977000
misc.feature      977001..978746 bp
misc.feature      978747..980500
misc.feature      980501..982246 bp
misc.feature      982247..984000
misc.feature      984001..985746 bp
misc.feature      985747..987500
misc.feature      987501..989246 bp
misc.feature      989247..991000
misc.feature      991001..992746 bp
misc.feature      992747..994500
misc.feature      994501..996246 bp
misc.feature      996247..998000
misc.feature      998001..999746 bp
misc.feature      999747..1001500
misc.feature      1001501..1003246 bp
misc.feature      1003247..1005000
misc.feature      1005001..1006746 bp
misc.feature      1006747..1008500
misc.feature      1008501..1010246 bp
misc.feature      1010247..1012000
misc.feature      1012001..1013746 bp
misc.feature      1013747..1015500
misc.feature      1015501..1017246 bp
misc.feature      1017247..1019000
misc.feature      1019001..1020746 bp
misc.feature      1020747..1022500
misc.feature      1022501..1024246 bp
misc.feature      1024247..1026000
misc.feature      1026001..1027746 bp
misc.feature      1027747..1029500
misc.feature      1029501..1031246 bp
misc.feature      1031247..1033000
misc.feature      1033001..1034746 bp
misc.feature      1034747..1036500
misc.feature      1036501..1038246 bp
misc.feature      1038247..1040000
misc.feature      1040001..1041746 bp
misc.feature      1041747..1043500
misc.feature      1043501..1045246 bp
misc.feature      1045247..1047000
misc.feature      1047001..1048746 bp
misc.feature      1048747..1050500
misc.feature      1050501..1052246 bp
misc.feature      1052247..1054000
misc.feature      1054001..1055746 bp
misc.feature      1055747..1057500
misc.feature      1057501..1059246 bp
misc.feature      1059247..1061000
misc.feature      1061001..1062746 bp
misc.feature      1062747..1064500
misc.feature      1064501..1066246 bp
misc.feature      1066247..1068000
misc.feature      1068001..1069746 bp
misc.feature      1069747..1071500
misc.feature      1071501..1073246 bp
misc.feature      1073247..1075000
misc.feature      1075001..1076746 bp
misc.feature      1076747..1078500
misc.feature      1078501..1080246 bp
misc.feature      1080247..1082000
misc.feature      1082001..1083746 bp
misc.feature      1083747..1085500
misc.feature      1085501..1087246 bp
misc.feature      1087247..1089000
misc.feature      1089001..1090746 bp
misc.feature      1090747..1092500
misc.feature      1092501..1094246 bp
misc.feature      1094247..1096000
misc.feature      1096001..1097746 bp
misc.feature      1097747..1099500
misc.feature      1099501..1101246 bp
misc.feature      1101247..1103000
misc.feature      1103001..1104746 bp
misc.feature      1104747..1106500
misc.feature      1106501..1108246 bp
misc.feature      1108247..1110000
misc.feature      1110001..1111746 bp
misc.feature      1111747..1113500
misc.feature      1113501..1115246 bp
misc.feature      1115247..1117000
misc.feature      1117001..1118746 bp
misc.feature      1118747..1120500
misc.feature      1120501..1122246 bp
misc.feature      1122247..1124000
misc.feature      1124001..1125746 bp
misc.feature      1125747..1127500
misc.feature      1127501..1129246 bp
misc.feature      1129247..1131000
misc.feature      1131001..1132746 bp
misc.feature      1132747..1134500
misc.feature      1134501..1136246 bp
misc.feature      1136247..1138000
misc.feature      1138001..1139746 bp
misc.feature      1139747..1141500
misc.feature      1141501..1143246 bp
misc.feature      1143247..1145000
misc.feature      1145001..1146746 bp
misc.feature      1146747..1148500
misc.feature      1148501..1150246 bp
misc.feature      1150247..1152000
misc.feature      
```







XX Claim 4; Page 13; 34pp; English.

XX The present sequence is that of a cloned oligonucleotide primer  
XX derived from the 5' region of a highly repeated short DNA sequence  
XX (see AAT70400) of the Schistosoma mansoni genome. This 5' primer,  
XX and the 3' primer given in AAT70401, are used in the method of this  
XX invention for the detection of S. mansoni infection by PCR. The  
XX collection of the sample to be examined, extraction of Schistosoma  
XX sp. DNA, amplification by PCR, separation of PCR product by  
XX agarose gel electrophoresis, and detection of the product by  
XX a kit for detecting infection which includes the silver salts.  
XX claimed. The method is useful for detecting Schistosoma sp.  
XX parasites by detecting the parasite's DNA in a biological sample.  
XX The present sequence is that of a highly repeated short DNA  
XX which parasitological stool tests demonstrate little sensitivity.

XX Sequence 20 BP: 6 A; 7 C; 4 G; 3 T; 0 Other;

Query Match 100.0%; Score 20; DB 22; Length 20;  
Best Local Similarity 100.0%; Pval. no. 1.1; Gaps 0;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

07 1 GATTGATACCAACCAACG 20  
DB 1 GATTGATACCAACCAACG 20

RESULT 2  
AAT70400  
ID AAT70400 standard; DNA; 120 BP.

XX AAT70400:  
XX 07-JAN-2002 (first entry)  
XX Schistosoma mansoni repeat unit DNA.  
XX Schistosomiasis; Infection; diagnosis; ds.  
XX Schistosoma mansoni.  
XX Key Location/Qualifiers  
XX primer\_bind complement 1..19)  
XX 51..110  
XX primer\_bind //neg - b  
XX /note - primer of AAT70402\*

XX W020017518-A1.  
XX 11-OCT-2001.  
XX 04-APR-2001; 2001NC-BH00035.  
XX 04-APR-2000; 2000DB-0001556.  
XX (PTIC) PROTEIN RUDOLPHO CUIZ OSNALDO.  
XX Telas habito Al. Dias Miro E. Ponces La;  
XX WFI; 2001-648561/7.

XX Diagnosing infection by parasites of the Schistosoma sp. is a  
XX biological sample especially useful in cases of low infection  
XX intensity, comprises detecting a specific region of the DNA of  
XX Schistosoma by polymerase chain reaction.  
XX Claim 1; Page 21; 36pp; English.  
XX The present sequence is that of a highly repeated short DNA  
XX sequence in the genome of Schistosoma mansoni. PCR primers

CC (see AAT70401 and AAT70402) that flank this sequence are used in  
CC the method of the invention for diagnosing Schistosoma infection.  
CC The method involves collection of the sample to be examined,  
CC extraction of Schistosoma sp. DNA, amplification by PCR, separation  
CC of PCR product by agarose gel electrophoresis, and detection of the  
CC product by silver salts. A kit for diagnosing infection, which includes  
CC the primers, is claimed. The method is useful for detecting  
CC Schistosoma sp. parasites by detecting the parasite's DNA in a  
CC biological sample. It is especially useful in cases of low  
CC infection intensity for which parasitological stool tests  
CC demonstrate little sensitivity.

XX Sequence 120 BP; 36 A; 20 C; 26 G; 38 T; 0 Other;

Query Match 100.0%; Score 20; DB 22; Length 120;  
Best Local Similarity 100.0%; Pval. no. 1.3; Gaps 0;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

07 1 GATTGATACCAACCAACG 20  
DB 1 GATTGATACCAACCAACG 20

RESULT 3  
AAT70401  
ID AAT70401 standard; DNA; 6494 BP.

XX AAT70401:  
XX 27-SEP-2000 (first entry)  
XX GFP-Sm-7 fusion protein construct.  
XX GFP-Sm-7 fusion construct; circular; green fluorescent protein;  
XX glutathione S-transferase; excretory diploid multicellular parasite;  
XX Schistosoma mansoni; Schistosomiasis; Infection; diagnosis; ds.  
XX genetic deficiency; hormone deficiency; metabolic deficiency; atrophy;  
XX hematological deficiency; immunological deficiency; immunotherapy;  
XX potentiating condition; genetic condition) ds.  
XX Synthetic.  
XX W0200032804-A1.  
XX 08-JUN-2000.  
XX 01-DEC-1999; 99NC-I100651.  
XX 01-DEC-1998; 98DB-0201850.  
XX (YTS ) YTSBN RNS & DWY CO.  
XX Hamburg; J. Laban A;  
XX WFI; 2000-412349/35.  
XX Excretory diploid multicellular parasite useful as universal grafts  
XX for in vivo delivery of beneficial gene products in humans and animals  
XX involves transformation with a transgene -  
XX Example 2; Fig 6; 90pp; English.

XX This sequence represents a GFP-Sm-7 fusion construct contained within a  
XX recombinant vector. This sequence contains the green fluorescent protein  
XX (GFP) coding sequence from Agrobacterium, and the  
XX Sm-7 coding sequence from Schistosoma. As to excretory diploid  
XX multicellular parasite transformed with a transgene, "transgene delivery  
XX excretory parasites are useful as universal grafts for in vivo delivery  
XX of beneficial gene products in humans and animals."  
XX particularly be used for restoration of deficiencies whether acquired or  
XX genetic, such as hormone deficiencies, metabolic deficiencies,













## Result 15

AB021263

ID AB021263 standard; DNA; 723 bp.

XX AB021263;

XX

XX

XX

XX

XX

XX

XX

XX

XX

XX

XX

XX

XX

XX

XX

XX

XX

XX

XX

XX

XX

XX

XX

XX

XX

XX

XX

XX

XX

XX

XX

XX

XX

XX

XX

XX

XX

XX

XX

XX

26-MAR-2002 (first entry)

Drosophila melanogaster genomic polynucleotide SEQ ID NO 15952.

Drosophila: developmental biology; cell signalling; insecticide;

pharmaceutical; gene; ds.

Drosophila melanogaster.

NC020017.042-42.

27-SEP-2001.

23-MAR-2001; 2001NOV090231.

23-MAR-2000; 2000MS-19.637P.

11-JUL-2000; 2000MS-06.4150.

(PFEK) PE CORP NR.

Venter OC, Adams M, Li FMD, Myers EW;

WPI; 2001-655860/75.

New isolated nucleic acid detection reagent for detecting 1000 or more

genes from Drosophila and for elucidating cell signalling and cell-cell

interactions -

Claims 1; SEQ ID NO 15952; 21bp + Sequence listing; English.

The invention relates to an isolated nucleic acid detection reagent

comprising a nucleic acid sequence that is useful for the detection of

cell-cell interactions in higher eukaryotes for the development of

new isolated nucleic acid detection reagents for the development of

cell-cell interactions in higher eukaryotes for the development of

cell-cell interactions in higher eukaryotes for the development of

cell-cell interactions in higher eukaryotes for the development of

cell-cell interactions in higher eukaryotes for the development of

cell-cell interactions in higher eukaryotes for the development of

cell-cell interactions in higher eukaryotes for the development of

cell-cell interactions in higher eukaryotes for the development of

cell-cell interactions in higher eukaryotes for the development of

cell-cell interactions in higher eukaryotes for the development of

cell-cell interactions in higher eukaryotes for the development of

cell-cell interactions in higher eukaryotes for the development of

cell-cell interactions in higher eukaryotes for the development of

cell-cell interactions in higher eukaryotes for the development of

cell-cell interactions in higher eukaryotes for the development of

cell-cell interactions in higher eukaryotes for the development of

cell-cell interactions in higher eukaryotes for the development of

cell-cell interactions in higher eukaryotes for the development of

cell-cell interactions in higher eukaryotes for the development of

cell-cell interactions in higher eukaryotes for the development of

cell-cell interactions in higher eukaryotes for the development of

cell-cell interactions in higher eukaryotes for the development of

cell-cell interactions in higher eukaryotes for the development of

cell-cell interactions in higher eukaryotes for the development of

Query: WASH

Best local similarity 94.18; proc No. 3, 9e+02;

Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

07 3 TGTATCCGACAC 19

|||||

303 TGTATCCGACAC 319

Search completed: May 12, 2003, 01:14:56

Job time : 40.2183 secs



```

1 PRIOR APPLICATION NUMBER: 08/462,674
2 PRIOR FILING DATE: 1995-06-05
3 PRIOR APPLICATION NUMBER: 08/718,488
4 PRIOR FILING DATE: 1995-06-05
5 PRIOR APPLICATION NUMBER: 07/01,544
6 PRIOR FILING DATE: 1991-05-16
7 PRIOR APPLICATION NUMBER: 07/322,004
8 PRIOR FILING DATE: 1991-05-16
9 NUMBER OF SEQ ID NOS: 21
10 SOFTWARE: FILED FOR WINDOWS VERSION 3.0
11 LENGTH: 3671
12 TYPE: DNA
13 FEATURE: CDS
14 NAME/REV: CDS
15 LOCATION (103): (2018)
16 US-08-932-010-C-980103: ENK3 GENE
17
18
19
20
21
22
23
24
25
26
27
28
29
30
31
32
33
34
35
36
37
38
39
40
41
42
43
44
45
46
47
48
49
50
51
52
53
54
55
56
57
58
59
60
61
62
63
64
65
66
67
68
69
70
71
72
73
74
75
76
77
78
79
80
81
82
83
84
85
86
87
88
89
90
91
92
93
94
95
96
97
98
99
100
101
102
103
104
105
106
107
108
109
110
111
112
113
114
115
116
117
118
119
120
121
122
123
124
125
126
127
128
129
130
131
132
133
134
135
136
137
138
139
140
141
142
143
144
145
146
147
148
149
150
151
152
153
154
155
156
157
158
159
160
161
162
163
164
165
166
167
168
169
170
171
172
173
174
175
176
177
178
179
180
181
182
183
184
185
186
187
188
189
190
191
192
193
194
195
196
197
198
199
200
201
202
203
204
205
206
207
208
209
210
211
212
213
214
215
216
217
218
219
220
221
222
223
224
225
226
227
228
229
230
231
232
233
234
235
236
237
238
239
240
241
242
243
244
245
246
247
248
249
250
251
252
253
254
255
256
257
258
259
260
261
262
263
264
265
266
267
268
269
270
271
272
273
274
275
276
277
278
279
280
281
282
283
284
285
286
287
288
289
290
291
292
293
294
295
296
297
298
299
300
301
302
303
304
305
306
307
308
309
310
311
312
313
314
315
316
317
318
319
320
321
322
323
324
325
326
327
328
329
330
331
332
333
334
335
336
337
338
339
340
341
342
343
344
345
346
347
348
349
350
351
352
353
354
355
356
357
358
359
360
361
362
363
364
365
366
367
368
369
370
371
372
373
374
375
376
377
378
379
380
381
382
383
384
385
386
387
388
389
390
391
392
393
394
395
396
397
398
399
400
401
402
403
404
405
406
407
408
409
410
411
412
413
414
415
416
417
418
419
420
421
422
423
424
425
426
427
428
429
430
431
432
433
434
435
436
437
438
439
440
441
442
443
444
445
446
447
448
449
450
451
452
453
454
455
456
457
458
459
460
461
462
463
464
465
466
467
468
469
470
471
472
473
474
475
476
477
478
479
480
481
482
483
484
485
486
487
488
489
490
491
492
493
494
495
496
497
498
499
500
501
502
503
504
505
506
507
508
509
510
511
512
513
514
515
516
517
518
519
520
521
522
523
524
525
526
527
528
529
530
531
532
533
534
535
536
537
538
539
540
541
542
543
544
545
546
547
548
549
550
551
552
553
554
555
556
557
558
559
560
561
562
563
564
565
566
567
568
569
570
571
572
573
574
575
576
577
578
579
580
581
582
583
584
585
586
587
588
589
590
591
592
593
594
595
596
597
598
599
600
601
602
603
604
605
606
607
608
609
610
611
612
613
614
615
616
617
618
619
620
621
622
623
624
625
626
627
628
629
630
631
632
633
634
635
636
637
638
639
640
641
642
643
644
645
646
647
648
649
650
651
652
653
654
655
656
657
658
659
660
661
662
663
664
665
666
667
668
669
670
671
672
673
674
675
676
677
678
679
680
681
682
683
684
685
686
687
688
689
690
691
692
693
694
695
696
697
698
699
700
701
702
703
704
705
706
707
708
709
710
711
712
713
714
715
716
717
718
719
720
721
722
723
724
725
726
727
728
729
730
731
732
733
734
735
736
737
738
739
740
741
742
743
744
745
746
747
748
749
750
751
752
753
754
755
756
757
758
759
760
761
762
763
764
765
766
767
768
769
770
771
772
773
774
775
776
777
778
779
780
781
782
783
784
785
786
787
788
789
790
791
792
793
794
795
796
797
798
799
800
801
802
803
804
805
806
807
808
809
810
811
812
813
814
815
816
817
818
819
820
821
822
823
824
825
826
827
828
829
830
831
832
833
834
835
836
837
838
839
840
841
842
843
844
845
846
847
848
849
850
851
852
853
854
855
856
857
858
859
860
861
862
863
864
865
866
867
868
869
870
871
872
873
874
875
876
877
878
879
880
881
882
883
884
885
886
887
888
889
890
891
892
893
894
895
896
897
898
899
900
901
902
903
904
905
906
907
908
909
910
911
912
913
914
915
916
917
918
919
920
921
922
923
924
925
926
927
928
929
930
931
932
933
934
935
936
937
938
939
940
941
942
943
944
945
946
947
948
949
950
951
952
953
954
955
956
957
958
959
960
961
962
963
964
965
966
967
968
969
970
971
972
973
974
975
976
977
978
979
980
981
982
983
984
985
986
987
988
989
990
991
992
993
994
995
996
997
998
999
1000
1001
1002
1003
1004
1005
1006
1007
1008
1009
1010
1011
1012
1013
1014
1015
1016
1017
1018
1019
1020
1021
1022
1023
1024
1025
1026
1027
1028
1029
1030
1031
1032
1033
1034
1035
1036
1037
1038
1039
1040
1041
1042
1043
1044
1045
1046
1047
1048
1049
1050
1051
1052
1053
1054
1055
1056
1057
1058
1059
1060
1061
1062
1063
1064
1065
1066
1067
1068
1069
1070
1071
1072
1073
1074
1075
1076
1077
1078
1079
1080
1081
1082
1083
1084
1085
1086
1087
1088
1089
1090
1091
1092
1093
1094
1095
1096
1097
1098
1099
1100
1101
1102
1103
1104
1105
1106
1107
1108
1109
1110
1111
1112
1113
1114
1115
1116
1117
1118
1119
1120
1121
1122
1123
1124
1125
1126
1127
1128
1129
1130
1131
1132
1133
1134
1135
1136
1137
1138
1139
1140
1141
1142
1143
1144
1145
1146
1147
1148
1149
1150
1151
1152
1153
1154
1155
1156
1157
1158
1159
1160
1161
1162
1163
1164
1165
1166
1167
1168
1169
1170
1171
1172
1173
1174
1175
1176
1177
1178
1179
1180
1181
1182
1183
1184
1185
1186
1187
1188
1189
1190
1191
1192
1193
1194
1195
1196
1197
1198
1199
1200
1201
1202
1203
1204
1205
1206
1207
1208
1209
1210
1211
1212
1213
1214
1215
1216
1217
1218
1219
1220
1221
1222
1223
1224
1225
1226
1227
1228
1229
1230
1231
1232
1233
1234
1235
1236
1237
1238
1239
1240
1241
1242
1243
1244
1245
1246
1247
1248
1249
1250
1251
1252
1253
1254
1255
1256
1257
1258
1259
1260
1261
1262
1263
1264
1265
1266
1267
1268
1269
1270
1271
1272
1273
1274
1275
1276
1277
1278
1279
1280
1281
1282
1283
1284
1285
1286
1287
1288
1289
1290
1291
1292
1293
1294
1295
1296
1297
1298
1299
1300
1301
1302
1303
1304
1305
1306
1307
1308
1309
1310
1311
1312
1313
1314
1315
1316
1317
1318
1319
1320
1321
1322
1323
1324
1325
1326
1327
1328
1329
1330
1331
1332
1333
1334
1335
1336
1337
1338
1339
1340
1341
1342
1343
1344
1345
1346
1347
1348
1349
1350
1351
1352
1353
1354
1355
1356
1357
1358
1359
1360
1361
1362
1363
1364
1365
1366
1367
1368
1369
1370
1371
1372
1373
1374
1375
1376
1377
1378
1379
1380
1381
1382
1383
1384
1385
1386
1387
1388
1389
1390
1391
1392
1393
1394
1395
1396
1397
1398
1399
1400
1401
1402
1403
1404
1405
1406
1407
1408
1409
1410
1411
1412
1413
1414
1415
1416
1417
1418
1419
1420
1421
1422
1423
1424
1425
1426
1427
1428
1429
1430
1431
1432
1433
1434
1435
1436
1437
1438
1439
1440
1441
1442
1443
1444
1445
1446
1447
1448
1449
1450
1451
1452
1453
1454
1455
1456
1457
1458
1459
1460
1461
1462
1463
1464
1465
1466
1467
1468
1469
1470
1471
1472
1473
1474
1475
1476
1477
1478
1479
1480
1481
1482
1483
1484
1485
1486
1487
1488
1489
1490
1491
1492
1493
1494
1495
1496
1497
1498
1499
1500
1501
1502
1503
1504
1505
1506
1507
1508
1509
1510
1511
1512
1513
1514
1515
1516
1517
1518
1519
1520
1521
1522
1523
1524
1525
1526
1527
1528
1529
1530
1531
1532
1533
1534
1535
1536
1537
1538
1539
1540
1541
1542
1543
1544
1545
1546
1547
1548
1549
1550
1551
1552
1553
1554
1555
1556
1557
1558
1559
1560
1561
1562
1563
1564
1565
1566
1567
1568
1569
1570
1571
1572
1573
1574
1575
1576
1577
1578
1579
1580
1581
1582
1583
1584
1585
1586
1587
1588
1589
1590
1591
1592
1593
1594
1595
1596
1597
1598
1599
1600
1601
1602
1603
1604
1605
1606
1607
1608
1609
1610
1611
1612
1613
1614
1615
1616
1617
1618
1619
1620
1621
1622
1623
1624
1625
1626
1627
1628
1629
1630
1631
1632
1633
1634
1635
1636
1637
1638
1639
1640
1641
1642
1643
1644
1645
1646
1647
1648
1649
1650
1651
1652
1653
1654
1655
1656
1657
1658
1659
1660
1661
1662
1663
1664
1665
1666
1667
1668
1669
1670
1671
1672
1673
1674
1675
1676
1677
1678
1679
1680
1681
1682
1683
1684
1685
1686
1687
1688
1689
1690
1691
1692
1693
1694
1695
1696
1697
1698
1699
1700
1701
1702
1703
1704
1705
1706
1707
1708
1709
1710
1711
1712
1713
1714
1715
1716
1717
1718
1719
1720
1721
1722
1723
1724
1725
1726
1727
1728
1729
1730
1731
1732
1733
1734
1735
1736
1737
1738
1739
1740
1741
1742
1743
1744
1745
1746
1747
1748
1749
1750
1751
1752
1753
1754
1755
1756
1757
1758
1759
1760
1761
1762
1763
1764
1765
1766
1767
1768
1769
1770
1771
1772
1773
1774
1775
1776
1777
1778
1779
1780
1781
1782
1783
1784
1785
1786
1787
1788
1789
1790
1791
1792
1793
1794
1795
1796
1797
1798
1799
1800
1801
1802
1803
1804
1805
1806
1807
1808
1809
1810
1811
1812
1813
1814
1815
1816
1817
1818
1819
1820
1821
1822
1823
1824
1825
1826
1827
1828
1829
1830
1831
1832
1833
1834
1835
1836
1837
1838
1839
1840
1841
1842
1843
1844
1845
1846
1847
1848
1849
1850
1851
1852
1853
1854
1855
1856
1857
1858
1859
1860
1861
1862
1863
1864
1865
1866
1867
1868
1869
1870
1871
1872
1873
1874
1875
1876
1877
1878
1879
1880
1881
1882
1883
1884
1885
1886
1887
1888
1889
1890
1891
1892
1893
1894
1895
1896
1897
1898
1899
1900
1901
1902
1903
1904
1905
1906
1907
1908
1909
1910
1911
1912
1913
1914
1915
1916
1917
1918
1919
1920
1921
1922
1923
1924
1925
1926
1927
1928
1929
1930
1931
1932
1933
1934
1935
1936
1937
1938
1939
1940
1941
1942
1943
1944
1945
1946
1947
1948
1949
1950
1951
1952
1953
1954
1955
1956
1957
1958
1959
1960
1961
1962
1963
1964
1965
1966
1967
1968
1969
1970
1971
1972
1973
1974
1975
1976
1977
1978
1979
1980
1981
1982
1983
1984
1985
1986
1987
1988
1989
1990
1991
1992
1993
1994
1995
1996
1997
1998
1999
2000
2001
2002
2003
2004
2005
2006
2007
2008
2009
2010
2011
2012
2013
2014
2015
2016
2017
2018
2019
2020
2021
2022
2023
2024
2025
2026
2027
2028
2029
2030
2031
2032
2033
2034
2035
2036
2037
2038
2039
2040
2041
2042
2043
2044
2045
2046
2047
2048
2049
2050
2051
2052
2053
2054
2055
2056
2057
2058
2059
2060
2061
2062
2063
2064
2065
2066
2067
2068
2069
2070
2071
2072
2073
2074
2075
2076
2077
2078
2079
2080
2081
2082
2083
2084
2085
2086
2087
2088
2089
2090
2091
2092
2093
2094
2095
2096
2097
2098
2099
2100
2101
2102
2103
2104
2105
2106
2107
2108
2109
2110
2111
2112
2113
2114
2115
2116
2117
2118
2119
2120
2121
2122
2123
2124
2125
2126
2127
2128
2129
2130
2131
2132
2133
2134
2135
2136
2137
2138
2139
2140
2141
2142
2143
2144
2145
2146
2147
2148
2149
2150
2151
2152
2153
2154
2155
2156
2157
2158
2159
2160
2161
2162
2163
2164
2165
2166
2167
2168
2169
2170
2171
2172
2173
2174
2175
2176
2177
2178
2179
2180
2181
2182
2183
2184
2185
2186
2187
2188
2189
2190
2191
2192
2193
2194
2195
2196
2197
2198
2199
2200
2201
2202
2203
2204
2205
2206
2207
2208
2209
2210
2211
2212
2213
2214
2215
2216
2217
2218
2219
2220
2221
2222
2223
2224
2225
2226
2227
2228
2229
2230
2231
2232
2233
2234
2235
2236
2237
2238
2239
2240
2241
2242
2243
2244
2245
2246
2247
2248
2249
2250
2251
2252
2253
2254
2255
2256
2257
2258
2259
2260
2261
2262
2263
2264
2265
2266
2267
2268
2269
2270
2271
2272
2273
2274
2275
2276
2277
2278
2279
2280
2281
2282
2283
2284
2285
2286
2287
2288
2289
2290
2291
2292
2293
2294
2295
2296
2297
2298
2299
2300
2301
2302
2303
2304
2305
2306
2307
2308
2309
2310
2311
2312
2313
2314
2315
2316
2317
2318
2319
2320
2321
2322
2323
2324
2325
2326
2327
2328
2329
2330
2331
2332
2333
2334
2335
2336
2337
2338
2339
2340
2341
2342
2343
2344
2345
2346
2347
2348
2349
2350
2351
2352
2353
2354
2355
2356
2357
2358
2359
2360
2361
2362
2363
2364
2365
2366
2367
2368
2369
2370
2371
2372
2373
2374
2375
2376
2377
2378
2379
2380
2381
2382
2383
2384
2385
2386
2387
2388
2389
2390
2391
2392
2393
2394
2395
2396
2397
2398
2399
2400
2401
2402
2403
2404
2405
2406
2407
2408
2409
2410
2411
2412
2413
2414
2415
2416
2417
2418
2419
2420
2421
2422
2423
2424
2425
2426
2427
2428
2429
2430
2431
2432
2433
2434
2435
2436
2437
2438
2439
2440
2441
2442
2443
2444
2445
2446
2447
2448
2449
2450
2451
2452
2453
2454
2455
2456
2457
2458
2459
2460
2461
2462
2463
2464
2465
2466
2467
2468
2469
2470
2471
2472
2473
2474
2475
2476
2477
2478
2479
2480
2481
2482
2483
2484
2485
2486
2487
2488
2489
2490
2491
2492
2493
2494
2495
2496
2497
2498
2499
2500
2501
2502
2503
2504
2505
2506
2507
2508
2509
2510
2511
2512
2513
2514
2515
2516
2517
2518
2519
2520
2521
2522
2523
2524
2525
2526
2527
2528
2529
2530
2531
2532
2533
2534
2535
2536
2537
2538
2539
2540
2541
2542
2543
2544
2545
2546
2547
2548
2549
2550
2551
2552
2553
2554
2555
2556
2557
2558
2559
2560
2561
2562
2563
2564
2565
2566
2567
2568
2569
2570
2571
2572
2573
2574
2575
2576
2577
2578
2579
2580
2581
2582
2583
2584
2585
2586
2587
2588
2589
2590
2591
2592
2593
2594
2595
2596
2597
2598
2599
2600
2601
2602
2603
2604
2605
2606
2607
2608
2609
2610
2611
2612
2613
2614
2615
2616
2617
2618
2619
2620
2621
2622
2623
2624
2
```





CURRENT APPLICATION DATA:  
 FILING DATE: MAY 08 08/976,259  
 CLASSIFICATION: 536  
 PRIOR APPLICATION DATA: US 60/031,526 AND US 60/061,953  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Steffe, Eric K. 6, 688  
 RESIDENCE ADDRESS: 1468, 0740002/BES/CHM  
 TELEPHONE: (202) 371-2600  
 TELECOMMUNICATION INFORMATION:  
 INFORMATION FOR SEQ ID NO: 22:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 216 base pairs  
 TYPE: nucleic acid  
 STRANDS: double  
 TOPOLOGY: linear  
 US-08-976-259-2

Query Match 71.0%; Score 14.2; DB 4; Length 2916;  
 Best Local Similarity 84.2%; Pred. No. 1.3e+02;  
 Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;  
 DB 189 GATCAGCAGCCGACGAC 20

RESULT 11  
 US-08-176-620A-5  
 Sequence 5, Application US/08/176520A  
 GENERAL INFORMATION:  
 APPLICANT: Boulton, Neil G.  
 APPLICANT: Cobb, Melanie H.  
 APPLICANT: Gorman, David M.  
 APPLICANT: Nye, Steven  
 APPLICANT: Ruyterbaert, Nikos  
 NUMBER OF SEQUENCES: 21  
 CORRESPONDENCE ADDRESS:  
 ADDRESS: 11, Route 2 Second  
 STREET: 11, Route 2 Second  
 CITY: New York  
 STATE: New York  
 ZIP: 10035  
 COMPUTER READABLE FORM:  
 MODION TYPE: floppy disk  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: Presentin Release #1.0, Version #1.25  
 APPLICATION NUMBER: US/08/176,620A  
 FILING DATE: 03-JAN-1994  
 CLASSIFICATION: 800  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Mastro, S. Leslie  
 RESIDENCE ADDRESS: 18, 872  
 TELEPHONE: (212) 790-9090  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: (212) 790-9090  
 TELEFAX: (212) 663-8667/9741  
 INFORMATION FOR SEQ ID NO: 5:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 3671 base pairs  
 TYPE: nucleic acid  
 STRANDS: single  
 TOPOLOGY: unknown  
 MOLECULE TYPE: Protein

FEATUING:  
 1. GENE  
 2. LOCATION: 303, 2018  
 US-08-176-620A-5

Query Match 71.0%; Score 14.2; DB 1; Length 3671;  
 Best Local Similarity 84.2%; Pred. No. 1.3e+02;  
 Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;  
 DB 843 GATCAGCAGCCGACGAC 861

RESULT 12  
 US-08-463-862-5  
 Sequence 5, Application US/08/463862  
 Patent No. 576751  
 GENERAL INFORMATION:  
 APPLICANT: Tel. G. et al.  
 TITLE OF INVENTION: A FAMILY OF MAP2 PROTEIN KINASES  
 NUMBER OF SEQUENCES: 11  
 CORRESPONDENCE ADDRESS: Rm 606  
 STREET: 1155 Avenue of the Americas  
 CITY: New York  
 STATE: New York  
 COUNTRY: U.S.A.  
 ZIP: 10036-2711  
 COMPUTER READABLE FORM:  
 MODION TYPE: 3.5 inch floppy disk  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: Presentin Release #1.0, Version #1.25  
 APPLICATION NUMBER: US/08/463,862  
 FILING DATE: 05-JUN-1995  
 CLASSIFICATION: 800  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Mastro, S. Leslie  
 RESIDENCE ADDRESS: 18, 872  
 TELEPHONE: 212-790-9090  
 TELECOMMUNICATION INFORMATION:  
 TELEFAX: 6644 PENNIE  
 INFORMATION FOR SEQ ID NO: 5:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 3671 base pairs  
 TYPE: nucleic acid  
 STRANDS: double  
 MOLECULE TYPE: DNA (genomic)  
 FEATURE:  
 NAME/KEY: CDS  
 US-08-463-862-5 303, 2018

Query Match 71.0%; Score 14.2; DB 1; Length 3671;  
 Best Local Similarity 84.2%; Pred. No. 1.3e+02;  
 Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;  
 DB 843 GATCAGCAGCCGACGAC 861

RESULT 13  
 US-08-461-985-5  
 Sequence 5, Application US/08/461985

1 Patent No. 537006  
 2 GENERAL INFORMATION:  
 3 APPLICANT: Boulton, Neil G.  
 4 APPLICANT: Cobb, Melanie H.  
 5 APPLICANT: Hargrave, George D.  
 6 APPLICANT: Nye, Steven  
 7 APPLICANT: Panagoulas, Nikos  
 8 TITLE OF INVENTION: A family of large protein kinases  
 9 CORRESPONDENCE ADDRESS:  
 10 ADDRESSEE: Penlate & Demands  
 11 1155 Avenue of the Americas  
 12 City: New York  
 13 STATE: New York  
 14 COUNTRY: U.S.A.  
 15 COMPUTER READABLE FORM:  
 16 MEDIAN TYPE: floppy disk  
 17 OPERATING SYSTEM: PC-DOS/MS-DOS  
 18 SOFTWARE: Patent Release #1.0, Version #1.25  
 19 CURRENT APPLICATION DATA:  
 20 FILING DATE: 05-JUN-1995  
 21 CLASSIFICATION: 600  
 22 PRIORITY: none  
 23 APPLICATION NUMBER: 03-789-1994  
 24 FILING DATE: 03-789-1994  
 25 REFERENCE/DOCKET NUMBER: 18, 672  
 26 REGISTRATION NUMBER: 18, 672  
 27 REFERENCE/DOCKET NUMBER: 6526-123  
 28 REGISTRATION NUMBER: 18, 672  
 29 TELEPHONE: (212) 869-9090  
 30 TELEFAX: (212) 869-8664/9741  
 31 TEXT: 66141 PRINT  
 32 INVENTOR: 1155 Avenue of the Americas, New York, NY 10018-1001  
 33 LENGTH: 3671 base pairs  
 34 SEQUENCE CHARACTERISTICS:  
 35 TOPOLOGY: unknown  
 36 MOLECULE TYPE: protein  
 37 NAME/KEY: CDS  
 38 LOCATION: 303..2018  
 39 US-08-461-945-5  
 40 Query Match 71.0%; Score 14.2; DB 2; Length 3671;  
 41 Best Local Similarity: 84.2%; Pval: No. 1.3e+02;  
 42 Matches: 16; Conservative: 0; Mismatches: 5; Indels: 0; Gaps: 0;  
 43 QY 1 GATTCATACCGCCACAC 19  
 44 DB 843 GATTCATACCGCCACAC 861

1 MEDIAN TYPE: floppy disk  
 2 COMPUTER: IBM PC compatible  
 3 OPERATING SYSTEM: PC-DOS/MS-DOS  
 4 SOFTWARE: Patent Release #1.0, Version #1.25  
 5 CURRENT APPLICATION DATA:  
 6 FILING DATE: 02-JUN-1995  
 7 CLASSIFICATION: 600  
 8 PRIORITY: none  
 9 APPLICATION NUMBER: 05-07701-544  
 10 FILING DATE: 16-MAY-1991  
 11 NAME: March, S. Leslie  
 12 REFERENCE/DOCKET NUMBER: 18, 672  
 13 REGISTRATION NUMBER: 18, 672  
 14 REFERENCE/DOCKET NUMBER: 6526-049  
 15 REGISTRATION NUMBER: 18, 672  
 16 TELEFAX: 212 869-8664/9741  
 17 TELEPHONE: 212 795-9090  
 18 INVENTOR: 1155 Avenue of the Americas, New York, NY 10018-1001  
 19 LENGTH: 3671 base pairs  
 20 SEQUENCE CHARACTERISTICS:  
 21 TOPOLOGY: double  
 22 MOLECULE TYPE: DNA (genomic)  
 23 NAME/KEY: CDS  
 24 LOCATION: 303..2018  
 25 US-08-461-945-5  
 26 Query Match 71.0%; Score 14.2; DB 2; Length 3671;  
 27 Best Local Similarity: 84.2%; Pval: No. 1.3e+02;  
 28 Matches: 16; Conservative: 0; Mismatches: 3; Indels: 0; Gaps: 0;  
 29 QY 1 GATTCATACCGCCACAC 19  
 30 DB 843 GATTCATACCGCCACAC 861

1 RESULT 15  
 2 US-08-350-888A-7/0  
 3 Sequence 2, Application US/0830888A  
 4 GENERAL INFORMATION:  
 5 APPLICANT: Nichol, Stuart T.  
 6 APPLICANT: Kinslow, Thomas G.  
 7 APPLICANT: Rollin, Pierre E.  
 8 APPLICANT: Spiroglou, Christina F.  
 9 NUMBER OF INVENTORS: 13  
 10 CORRESPONDENCE ADDRESS:  
 11 ADDRESSEE: Penlate & Demands, P.C.  
 12 1155 Avenue of the Americas, New York, N.Y. Suite 1200  
 13 City: Atlanta  
 14 STATE: Georgia  
 15 COUNTRY: U.S.A.  
 16 COMPUTER READABLE FORM:  
 17 MEDIAN TYPE: floppy disk  
 18 OPERATING SYSTEM: PC-DOS/MS-DOS  
 19 SOFTWARE: Patent Release #1.0, Version #1.25  
 20 CURRENT APPLICATION DATA:  
 21 FILING DATE: 05-09-888A  
 22 CLASSIFICATION: 424  
 23 PRIORITY: none  
 24 APPLICATION NUMBER: 05-09-888A  
 25 FILING DATE: 05-09-888A  
 26 REFERENCE/DOCKET NUMBER: 36,016  
 27 REGISTRATION NUMBER: 36,016  
 28 REFERENCE/DOCKET NUMBER: 36,016  
 29 TELECOMMUNICATION INFORMATION:

1 RESULT 15  
 2 US-08-350-888A-7/0  
 3 Sequence 2, Application US/0830888A  
 4 GENERAL INFORMATION:  
 5 APPLICANT: Nichol, Stuart T.  
 6 APPLICANT: Kinslow, Thomas G.  
 7 APPLICANT: Rollin, Pierre E.  
 8 APPLICANT: Spiroglou, Christina F.  
 9 NUMBER OF INVENTORS: 13  
 10 CORRESPONDENCE ADDRESS:  
 11 ADDRESSEE: Penlate & Demands, P.C.  
 12 1155 Avenue of the Americas, New York, N.Y. Suite 1200  
 13 City: Atlanta  
 14 STATE: Georgia  
 15 COUNTRY: U.S.A.  
 16 COMPUTER READABLE FORM:  
 17 MEDIAN TYPE: floppy disk  
 18 OPERATING SYSTEM: PC-DOS/MS-DOS  
 19 SOFTWARE: Patent Release #1.0, Version #1.25  
 20 CURRENT APPLICATION DATA:  
 21 FILING DATE: 05-09-888A  
 22 CLASSIFICATION: 424  
 23 PRIORITY: none  
 24 APPLICATION NUMBER: 05-09-888A  
 25 FILING DATE: 05-09-888A  
 26 REFERENCE/DOCKET NUMBER: 36,016  
 27 REGISTRATION NUMBER: 36,016  
 28 REFERENCE/DOCKET NUMBER: 36,016  
 29 TELECOMMUNICATION INFORMATION:









Db 2179 GANCTGATCCGACACACG 2194

RESUME 5  
 US-09-764-891-9967  
 Sequence 9967, Application US/009718  
 Patent No. US2002013196A1  
 GENERAL INFORMATION:  
 APPLICANT: Nucleic Acids, Proteins, and Antibodies  
 APPLICANT: Chao, Hongjun  
 APPLICANT: Burestin, Brian  
 APPLICANT: Lynch, Carmel  
 APPLICANT: Munson, Keith  
 TITLE OF INVENTION: Adeno-Associated Virus Vectors Encoding Factor VIII and  
 FILE REFERENCE: 31054/40437  
 CURRENT FILING DATE: 2001-09-12  
 PRIOR FILING DATE: 2001-08-22  
 PRIOR APPLICATION NUMBER: 60/156780  
 NUMBER OF SEQ ID NOS: 5-10-12  
 SOFTWARE: FAST350 for Windows Version 4.0  
 SEQ ID NO 3  
 TYPE: DNA  
 ORGANISM: Artificial Sequence  
 OTHER INFORMATION: GATV vector with canine p-domain deleted factor  
 OTHER INFORMATION: VIII  
 FEATURES:  
 NAME/KEY: CDS  
 LOCATION: (435)...(4730)  
 Query Match  
 Best Local Similarity: 76.0%; Score 15.2; DB 12; Length 7914;  
 Matches 17; Conservative 0; Mismatches 3; Indels 0; Gaps 0;  
 1 GANCTGATCCGACACACG 20  
 Db 4890 GANCTGATCCGACACACG 4871

RESUME 6  
 US-09-764-891-9967  
 Sequence 9967, Application US/009718  
 Patent No. US2002013196A1  
 GENERAL INFORMATION:  
 APPLICANT: Nucleic Acids, Proteins, and Antibodies  
 APPLICANT: Chao, Hongjun  
 APPLICANT: Burestin, Brian  
 APPLICANT: Lynch, Carmel  
 APPLICANT: Munson, Keith  
 TITLE OF INVENTION: Adeno-Associated Virus Vectors Encoding Factor VIII and  
 FILE REFERENCE: 31054/40437  
 CURRENT FILING DATE: 2001-09-12  
 PRIOR FILING DATE: 2001-08-22  
 PRIOR APPLICATION NUMBER: 60/156780  
 NUMBER OF SEQ ID NOS: 5-10-12  
 SOFTWARE: FAST350 for Windows Version 4.0  
 SEQ ID NO 1  
 TYPE: DNA  
 ORGANISM: Artificial Sequence  
 FEATURES:  
 NAME/KEY: CDS  
 LOCATION: (4483)  
 Query Match  
 Best Local Similarity: 76.0%; Score 15.2; DB 12; Length 7914;  
 Matches 17; Conservative 0; Mismatches 3; Indels 0; Gaps 0;  
 1 GANCTGATCCGACACACG 20

OTHER INFORMATION: Plasmid pGL66 encoding Homo sapiens BDNF FVIII  
 FEATURES:  
 NAME/KEY: CDS  
 LOCATION: (420)...(4835)  
 US-10-055-710-1  
 Query Match  
 Best Local Similarity: 76.0%; Score 15.2; DB 12; Length 7944;  
 Matches 17; Conservative 0; Mismatches 3; Indels 0; Gaps 0;  
 1 GANCTGATCCGACACACG 20  
 Db 4920 GANCTGATCCGACACACG 4911

RESUME 7  
 US-09-764-891-9967  
 Sequence 9967, Application US/09764891  
 Publication No. US20030077806A1  
 APPLICANT: Rosen et al.  
 TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies  
 CURRENT FILING DATE: 2001-01-17  
 PRIOR APPLICATION DATA REMOVED - consult PAM or file wrapper  
 SOFTWARE: Pileutin Ver. 2.0  
 SEQ ID NO 9967  
 LENGTH: 19929  
 ORGANISM: Homo sapiens  
 US-09-764-891-9967  
 Query Match  
 Best Local Similarity: 76.0%; Score 15.2; DB 9; Length 19929;  
 Matches 17; Conservative 0; Mismatches 3; Indels 0; Gaps 0;  
 1 GANCTGATCCGACACACG 20  
 Db 16965 GANCTGATCCGACACACG 16964

RESUME 8  
 US-09-764-891-9966  
 Sequence 9966, Application US/09764891  
 Publication No. US20030077806A1  
 GENERAL INFORMATION:  
 APPLICANT: Nucleic Acids, Proteins, and Antibodies  
 TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies  
 FILE REFERENCE: PC0106  
 CURRENT FILING DATE: 2001-01-17  
 PRIOR APPLICATION DATA REMOVED - consult PAM or file wrapper  
 NUMBER OF SEQ ID NOS: 10-21  
 SOFTWARE: Pileutin Ver. 2.0  
 SEQ ID NO 9966  
 LENGTH: 20907  
 ORGANISM: Homo sapiens  
 US-09-764-891-9966  
 Query Match  
 Best Local Similarity: 76.0%; Score 15.2; DB 9; Length 20907;  
 Matches 17; Conservative 0; Mismatches 3; Indels 0; Gaps 0;  
 1 GANCTGATCCGACACACG 20





```

RESULT 15
US-09-770-444-455
? Sequence 455: Application US/09770444
? GENERAL INFORMATION: PERSON
? APPLICANT: Goriach, Jori
? APPLICANT: Malton, Oleg
? APPLICANT: Paltan, Oleg
? APPLICANT: Semina, Olga M.
? APPLICANT: Price, Vladimir L.
? APPLICANT: Saltes, Tony M.
? APPLICANT: Remeika, Joshua G.
? APPLICANT: Page, New
? APPLICANT: Melitov, Abraham V.
? APPLICANT: Kozlov, Andrei V.
? APPLICANT: Kossener, Jeffrey P.
? APPLICANT: Bass, William David
? APPLICANT: Krichev, Boris
? APPLICANT: Sinder, Ted
? APPLICANT: Biale, Seth R.
? APPLICANT: Alesh, Kelli
? APPLICANT: Hoffman, Neil
? APPLICANT: Rubin, Patrick
? TITLE OF INVENTION: Sequenced sequences of Acridolops
? FILE REFERENCE: 2027 (PDA-01SPV)
? CURRENT FILING DATE: 2001-01-28
? PRIOR APPLICATION NUMBER: 60/178,502
? NUMBER OF SEQ IDS: 500-01-27
? SOFTWARE: Pasted for Windows Version 4.0
? SEQ ID NO 455
? SEQ ID NO 456
? TYPE: DNA
? ORGANISM: Acridolops thaliana
US-09-770-444-455

Query March 72.0%; Score 14.4; DB 10: Length 459;
Best Local Similarity 93.8%; Freq. No. 5, 4e+02;
Matches 15; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
Cy 2 ATTGATCGACCA 17
Db 56 ATTGATCGACCA 71

```

Search completed: May 12, 2003, 04:45:50  
 Job time : 130.714 secs

Genome version 5.1.4.FS.4578  
Copyright (c) 1993 - 2003 Compugen Ltd.

OK nucleic - nucleic search, using sw model

Run on: May 12, 2003, 01:04:28 / search time 244.443 seconds

1306 732 Million cell updates/sec

Filter: 05-09-980-277-2

Filter score: 1 gaccgcaccaccaccacg 20

Sequences: 1000000000

Scoring table: Gap: 10.0 / expect 1.0

Total number: 1615066 seqs, 809743376 residues

Sequences of hits satisfying chosen parameters: 3308132

Maximum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Minimum March 09

Database: 1: en.ashba.\*

2: en.ashba.\*

3: en.ashba.\*

4: en.ashba.\*

5: en.ashba.\*

6: en.ashba.\*

7: en.ashba.\*

8: en.ashba.\*

9: en.ashba.\*

10: en.ashba.\*

11: en.ashba.\*

12: en.ashba.\*

13: en.ashba.\*

14: en.ashba.\*

15: en.ashba.\*

16: en.ashba.\*

17: en.ashba.\*

18: en.ashba.\*

19: en.ashba.\*

20: en.ashba.\*

21: en.ashba.\*

22: en.ashba.\*

23: en.ashba.\*

24: en.ashba.\*

25: en.ashba.\*

26: en.ashba.\*

27: en.ashba.\*

28: en.ashba.\*

29: en.ashba.\*

30: en.ashba.\*

31: en.ashba.\*

32: en.ashba.\*

33: en.ashba.\*

34: en.ashba.\*

35: en.ashba.\*

36: en.ashba.\*

37: en.ashba.\*

38: en.ashba.\*

39: en.ashba.\*

40: en.ashba.\*

41: en.ashba.\*

42: en.ashba.\*

43: en.ashba.\*

44: en.ashba.\*

45: en.ashba.\*

46: en.ashba.\*

47: en.ashba.\*

48: en.ashba.\*

49: en.ashba.\*

50: en.ashba.\*

51: en.ashba.\*

52: en.ashba.\*

53: en.ashba.\*

54: en.ashba.\*

55: en.ashba.\*

56: en.ashba.\*

57: en.ashba.\*

58: en.ashba.\*

59: en.ashba.\*

60: en.ashba.\*

61: en.ashba.\*

62: en.ashba.\*

63: en.ashba.\*

64: en.ashba.\*

65: en.ashba.\*

66: en.ashba.\*

67: en.ashba.\*

68: en.ashba.\*

69: en.ashba.\*

70: en.ashba.\*

71: en.ashba.\*

72: en.ashba.\*

73: en.ashba.\*

74: en.ashba.\*

75: en.ashba.\*

76: en.ashba.\*

77: en.ashba.\*

78: en.ashba.\*

79: en.ashba.\*

80: en.ashba.\*

81: en.ashba.\*

82: en.ashba.\*

83: en.ashba.\*

84: en.ashba.\*

85: en.ashba.\*

86: en.ashba.\*

87: en.ashba.\*

88: en.ashba.\*

89: en.ashba.\*

90: en.ashba.\*

91: en.ashba.\*

92: en.ashba.\*

93: en.ashba.\*

94: en.ashba.\*

95: en.ashba.\*

96: en.ashba.\*

97: en.ashba.\*

98: en.ashba.\*

99: en.ashba.\*

100: en.ashba.\*

101: en.ashba.\*

102: en.ashba.\*

103: en.ashba.\*

104: en.ashba.\*

105: en.ashba.\*

106: en.ashba.\*

107: en.ashba.\*

108: en.ashba.\*

109: en.ashba.\*

110: en.ashba.\*

111: en.ashba.\*

112: en.ashba.\*

113: en.ashba.\*

114: en.ashba.\*

115: en.ashba.\*

116: en.ashba.\*

117: en.ashba.\*

118: en.ashba.\*

119: en.ashba.\*

120: en.ashba.\*

121: en.ashba.\*

122: en.ashba.\*

123: en.ashba.\*

124: en.ashba.\*

125: en.ashba.\*

126: en.ashba.\*

127: en.ashba.\*

128: en.ashba.\*

129: en.ashba.\*

130: en.ashba.\*

131: en.ashba.\*

132: en.ashba.\*

133: en.ashba.\*

134: en.ashba.\*

135: en.ashba.\*

136: en.ashba.\*

137: en.ashba.\*

138: en.ashba.\*

139: en.ashba.\*

140: en.ashba.\*

141: en.ashba.\*

142: en.ashba.\*

143: en.ashba.\*

144: en.ashba.\*

145: en.ashba.\*

146: en.ashba.\*

147: en.ashba.\*

148: en.ashba.\*

149: en.ashba.\*

150: en.ashba.\*

151: en.ashba.\*

152: en.ashba.\*

153: en.ashba.\*

154: en.ashba.\*

155: en.ashba.\*

156: en.ashba.\*

157: en.ashba.\*

158: en.ashba.\*

159: en.ashba.\*

160: en.ashba.\*

161: en.ashba.\*

162: en.ashba.\*

163: en.ashba.\*

164: en.ashba.\*

165: en.ashba.\*

166: en.ashba.\*

167: en.ashba.\*

168: en.ashba.\*

169: en.ashba.\*

170: en.ashba.\*

171: en.ashba.\*

172: en.ashba.\*

173: en.ashba.\*

174: en.ashba.\*

175: en.ashba.\*

176: en.ashba.\*

177: en.ashba.\*

178: en.ashba.\*

179: en.ashba.\*

180: en.ashba.\*

181: en.ashba.\*

182: en.ashba.\*

183: en.ashba.\*

184: en.ashba.\*

185: en.ashba.\*

186: en.ashba.\*

187: en.ashba.\*

188: en.ashba.\*

189: en.ashba.\*

190: en.ashba.\*

191: en.ashba.\*

192: en.ashba.\*

193: en.ashba.\*

194: en.ashba.\*

195: en.ashba.\*

196: en.ashba.\*

197: en.ashba.\*

198: en.ashba.\*

199: en.ashba.\*

200: en.ashba.\*

201: en.ashba.\*

202: en.ashba.\*

203: en.ashba.\*

204: en.ashba.\*

205: en.ashba.\*

206: en.ashba.\*

207: en.ashba.\*

208: en.ashba.\*

209: en.ashba.\*

210: en.ashba.\*

211: en.ashba.\*

212: en.ashba.\*

213: en.ashba.\*

214: en.ashba.\*

215: en.ashba.\*

216: en.ashba.\*

217: en.ashba.\*

218: en.ashba.\*

219: en.ashba.\*

220: en.ashba.\*

221: en.ashba.\*

222: en.ashba.\*

223: en.ashba.\*

224: en.ashba.\*

225: en.ashba.\*

226: en.ashba.\*

227: en.ashba.\*

228: en.ashba.\*

229: en.ashba.\*

230: en.ashba.\*

231: en.ashba.\*

232: en.ashba.\*

233: en.ashba.\*

234: en.ashba.\*

235: en.ashba.\*

236: en.ashba.\*

237: en.ashba.\*

238: en.ashba.\*

239: en.ashba.\*

240: en.ashba.\*

241: en.ashba.\*

242: en.ashba.\*

243: en.ashba.\*

244: en.ashba.\*

245: en.ashba.\*

246: en.ashba.\*

247: en.ashba.\*

248: en.ashba.\*

249: en.ashba.\*

250: en.ashba.\*

251: en.ashba.\*

252: en.ashba.\*

253: en.ashba.\*

254: en.ashba.\*

255: en.ashba.\*

256: en.ashba.\*

257: en.ashba.\*

258: en.ashba.\*

259: en.ashba.\*

260: en.ashba.\*

261: en.ashba.\*

262: en.ashba.\*

263: en.ashba.\*

264: en.ashba.\*

265: en.ashba.\*

266: en.ashba.\*

267: en.ashba.\*

268: en.ashba.\*

269: en.ashba.\*

270: en.ashba.\*

271: en.ashba.\*

272: en.ashba.\*

273: en.ashba.\*

274: en.ashba.\*

275: en.ashba.\*

276: en.ashba.\*







Fax: 301-838-0208  
Email: cduval@fcr.org  
DNA is from a doubled haploid provided by Tom Osborn.  
Clones shared and:

FEATURES  
source Location/Qualifiers  
1. 647  
/library="Brassica oleracea"

OR  
/db.xref="taxon:3712"  
/clone="G8548"  
/library="BRC"  
/note="Vector: pBRI1; Site1: BclII; 2-3 kb sheared genomic DNA inserted into pBRI1 using BclII linkers"  
147 a 205 c 110 g 185 t

BASE COUNT  
Query Match  
Best Local Similarity 100.0% 80.0% Score 16: DB 17: Length 647;  
Matches 16: Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
3 CTAATGCGACCGAC 18

OR  
3 CTAATGCGACCGAC 18  
DB 565 CTAATGCGACCGAC 180  
RESULT 7  
BRI1044  
DEFINITION  
BRI1044: cDNA clone  
ACCESSION  
BRI1044.1 GI:14897011  
KEYWORDS  
GSS.  
SOURCE  
ORGANISM  
Eukaryota; Metazoa; Chordata; Vertebrata; Euteleostomi;  
Mammalia; Eutheria; Rodentia; Sciurophila; Muridae; Murinae; Mus;  
Mus musculus.  
Tissue: G. Gene: K. Koli: M. Shattam: S. Akirel: B. Lawrie: M.  
Mus musculus  
Submitted (1995)  
Other: GSS: BRC-24-37116 JV  
COMMENT  
TITLE  
JOURNAL  
AUTHORS  
APPENDIX  
REMARKS

745 bp. DNA linear. GSS 18-JUN-2001  
BRC-24-37116 JV BRC-24 Mus musculus genomic clone BRC-24-37116  
GSS.  
BRI1044.1 GI:14897011  
KEYWORDS  
GSS.  
SOURCE  
ORGANISM  
Eukaryota; Metazoa; Chordata; Vertebrata; Euteleostomi;  
Mammalia; Eutheria; Rodentia; Sciurophila; Muridae; Murinae; Mus;  
Mus musculus.  
Tissue: G. Gene: K. Koli: M. Shattam: S. Akirel: B. Lawrie: M.  
Mus musculus  
Submitted (1995)  
Other: GSS: BRC-24-37116 JV  
COMMENT  
TITLE  
JOURNAL  
AUTHORS  
APPENDIX  
REMARKS

Department of Biotechnology Research  
The Institute for Genomic Research  
12  
Fax: 301 838 0208  
Tel: 301 838 0200  
Email: shattam@fcr.org  
Library availability: Please contact Pierce de Jong  
(pjdejong@fcr.org) for more BRC library BRC-24. For BRC  
library availability, please contact Pierce de Jong  
(pjdejong@fcr.org). Clones may be purchased from BRCPC  
pages: http://www.fcr.org/brcpc/orderform.html. BRC end  
plates 317 for: BRC-24-37116 JV  
BRC primer: 77  
Class: BRC-24-37116 JV  
Location/Qualifiers  
1. 745  
/library="Mus musculus"  
/db.xref="taxon:10090"  
/clone="BRC-24-37116"  
/seq="Male"  
/seq="Male"  
/cell\_type="Spleen/Brain"  
/vector="pBRI1; Site1: BclII; Site2: BclII;  
2 kb sheared genomic DNA inserted into pBRI1 using  
BclII sites using pBRI1 partially digested male C57BL/6J

BASE COUNT  
ORIGIN  
Query Match  
Best Local Similarity 100.0% 80.0% Score 16: DB 17: Length 745;  
Matches 16: Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
4 CTAATGCGACCGAC 18

OR  
4 CTAATGCGACCGAC 18  
DB 770 CTAATGCGACCGAC 745  
RESULT 8  
BRI1044  
DEFINITION  
BRI1044: cDNA clone  
ACCESSION  
BRI1044.1 GI:1508953  
KEYWORDS  
GSS.  
SOURCE  
ORGANISM  
Eukaryota; Metazoa; Chordata; Vertebrata; Euteleostomi;  
Mammalia; Eutheria; Rodentia; Sciurophila; Muridae; Murinae; Mus;  
Mus musculus.  
Tissue: G. Gene: K. Koli: M. Shattam: S. Akirel: B. Lawrie: M.  
Mus musculus  
Submitted (1995)  
Other: GSS: BRC-24-37116 JV  
COMMENT  
TITLE  
JOURNAL  
AUTHORS  
APPENDIX  
REMARKS

909 bp. DNA linear. GSS 07-AUG-2001  
BRC-24-37116 JV BRC-24 Mus musculus genomic clone BRC-24-37116  
GSS.  
BRI1044.1 GI:1508953  
KEYWORDS  
GSS.  
SOURCE  
ORGANISM  
Eukaryota; Metazoa; Chordata; Vertebrata; Euteleostomi;  
Mammalia; Eutheria; Rodentia; Sciurophila; Muridae; Murinae; Mus;  
Mus musculus.  
Tissue: G. Gene: K. Koli: M. Shattam: S. Akirel: B. Lawrie: M.  
Mus musculus  
Submitted (1995)  
Other: GSS: BRC-24-37116 JV  
COMMENT  
TITLE  
JOURNAL  
AUTHORS  
APPENDIX  
REMARKS

Department of Biotechnology Research  
The Institute for Genomic Research  
12  
Fax: 301 838 0208  
Tel: 301 838 0200  
Email: shattam@fcr.org  
Library availability: Please contact Pierce de Jong  
(pjdejong@fcr.org) for more BRC library BRC-24. For BRC  
library availability, please contact Pierce de Jong  
(pjdejong@fcr.org). Clones may be purchased from BRCPC  
pages: http://www.fcr.org/brcpc/orderform.html. BRC end  
plates 317 for: BRC-24-37116 JV  
BRC primer: 77  
Class: BRC-24-37116 JV  
Location/Qualifiers  
1. 745  
/library="Mus musculus"  
/db.xref="taxon:10090"  
/clone="BRC-24-37116"  
/seq="Male"  
/seq="Male"  
/cell\_type="Spleen/Brain"  
/vector="pBRI1; Site1: BclII; Site2: BclII;  
2 kb sheared genomic DNA inserted into pBRI1 using  
BclII sites using pBRI1 partially digested male C57BL/6J

Department of Biotechnology Research  
The Institute for Genomic Research  
12  
Fax: 301 838 0208  
Tel: 301 838 0200  
Email: shattam@fcr.org  
Library availability: Please contact Pierce de Jong  
(pjdejong@fcr.org) for more BRC library BRC-24. For BRC  
library availability, please contact Pierce de Jong  
(pjdejong@fcr.org). Clones may be purchased from BRCPC  
pages: http://www.fcr.org/brcpc/orderform.html. BRC end  
plates 317 for: BRC-24-37116 JV  
BRC primer: 77  
Class: BRC-24-37116 JV  
Location/Qualifiers  
1. 745  
/library="Mus musculus"  
/db.xref="taxon:10090"  
/clone="BRC-24-37116"  
/seq="Male"  
/seq="Male"  
/cell\_type="Spleen/Brain"  
/vector="pBRI1; Site1: BclII; Site2: BclII;  
2 kb sheared genomic DNA inserted into pBRI1 using  
BclII sites using pBRI1 partially digested male C57BL/6J

BASE COUNT  
ORIGIN  
Query Match  
Best Local Similarity 100.0% 80.0% Score 16: DB 17: Length 909;  
Matches 16: Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
2 ATCTGACCGAC 17  
OR  
2 ATCTGACCGAC 17  
DB 33 ATCTGACCGAC 48









GENCODE version 5.1.4.05.4578  
Copyright (c) 1995 - 2003 Compugen Ltd.

OK nucleic acid search, using sw model

Run on: May 12, 2003 01:02:58 ; Search time 99 seconds

5879,385 Million cell updates/sec

US-09-960-277-3

Perfect score: 20

Sequence: 1 alttaagacagcagctac 20

Scoring table: Gap: 10.0 / Gap: 1.0

Searched: 2064640 seqs, 14551402878 residues

Total number of hits satisfying chosen parameters: 4109280

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-Processing: Minimum Match 0%

Listing first 45 summaries

Database: 1: gb.hum.\*  
2: gb.hum.\*  
3: gb.hum.\*  
4: gb.hum.\*  
5: gb.hum.\*  
6: gb.hum.\*  
7: gb.hum.\*  
8: gb.hum.\*  
9: gb.hum.\*  
10: gb.hum.\*  
11: gb.hum.\*  
12: gb.hum.\*  
13: gb.hum.\*  
14: gb.hum.\*  
15: gb.hum.\*  
16: gb.hum.\*  
17: gb.hum.\*  
18: gb.hum.\*  
19: gb.hum.\*  
20: gb.hum.\*  
21: gb.hum.\*  
22: gb.hum.\*  
23: gb.hum.\*  
24: gb.hum.\*  
25: gb.hum.\*  
26: gb.hum.\*  
27: gb.hum.\*  
28: gb.hum.\*  
29: gb.hum.\*  
30: gb.hum.\*  
31: gb.hum.\*  
32: gb.hum.\*  
33: gb.hum.\*  
34: gb.hum.\*  
35: gb.hum.\*  
36: gb.hum.\*  
37: gb.hum.\*  
38: gb.hum.\*  
39: gb.hum.\*  
40: gb.hum.\*  
41: gb.hum.\*

Score greater than or equal to the score of the result being printed,  
and is derived by analysis of the total score distribution.

# SUMMARIES

Result No.	Score	Match	Length	DB	ID	Description
1	17.4	87.0	146970	2	AC094493	AC094493 Rat1a no
2	16.8	84.0	1336	3	AC010508	AC010508 AtrialApo
3	16.8	84.0	10685	8	AC027754	AC027754 AtrialApo
4	16.8	84.0	10685	8	AC027754	AC027754 AtrialApo
5	16.8	84.0	118535	2	AC139382	AC139382 Rattus no
6	16.8	84.0	168949	9	AC046134	AC046134 Homo sapi
7	16.8	84.0	168949	9	AC046134	AC046134 Homo sapi
8	16.4	82.0	159224	5	AC027575	AC027575 Homo sapi
9	16.4	82.0	159224	5	AC027575	AC027575 Homo sapi
10	16.4	82.0	4695	3	AF187518	AF187518 Drosophila
11	16.4	82.0	5878	3	AF121666	AF121666 Drosophila
12	16.4	82.0	5878	3	AF121666	AF121666 Drosophila
13	16.4	82.0	40123	2	AC014130	AC014130 Drosophila
14	16.4	82.0	65961	2	AC014533	AC014533 Drosophila
15	16.4	82.0	65961	2	AC014533	AC014533 Drosophila
16	16.4	82.0	10986	3	AC024562	AC024562 Homo sapi
17	16.4	82.0	112314	9	AC004002	AC004002 Human BAC
18	16.4	82.0	15441	9	AC071909	AC071909 Homo sapi
19	16.4	82.0	15441	9	AC071909	AC071909 Homo sapi
20	16.4	82.0	16768	3	AC011702	AC011702 Drosophila
21	16.4	82.0	177281	3	AC012161	AC012161 Drosophila
22	16.4	82.0	505994	3	AC005506	AC005506 Drosophila
23	16.4	82.0	505994	3	AC005506	AC005506 Drosophila
24	16.4	82.0	505994	3	AC005506	AC005506 Drosophila
25	16.4	82.0	505994	3	AC005506	AC005506 Drosophila
26	16.4	82.0	505994	3	AC005506	AC005506 Drosophila
27	16.4	82.0	505994	3	AC005506	AC005506 Drosophila
28	16.4	82.0	505994	3	AC005506	AC005506 Drosophila
29	16.4	82.0	505994	3	AC005506	AC005506 Drosophila
30	16.4	82.0	505994	3	AC005506	AC005506 Drosophila
31	16.4	82.0	505994	3	AC005506	AC005506 Drosophila
32	16.4	82.0	505994	3	AC005506	AC005506 Drosophila
33	16.4	82.0	505994	3	AC005506	AC005506 Drosophila
34	16.4	82.0	505994	3	AC005506	AC005506 Drosophila
35	16.4	82.0	505994	3	AC005506	AC005506 Drosophila
36	16.4	82.0	505994	3	AC005506	AC005506 Drosophila
37	16.4	82.0	505994	3	AC005506	AC005506 Drosophila
38	16.4	82.0	505994	3	AC005506	AC005506 Drosophila
39	16.4	82.0	505994	3	AC005506	AC005506 Drosophila
40	16.4	82.0	505994	3	AC005506	AC005506 Drosophila
41	16.4	82.0	505994	3	AC005506	AC005506 Drosophila
42	16.4	82.0	505994	3	AC005506	AC005506 Drosophila
43	16.4	82.0	505994	3	AC005506	AC005506 Drosophila
44	16.4	82.0	505994	3	AC005506	AC005506 Drosophila
45	16.4	82.0	505994	3	AC005506	AC005506 Drosophila

# ALIGNMENTS

SEQUENCE 1  
LOCUS SCHEPATA/C  
DEFINITION S. Mansueti random repeat units.  
VERSION 1.0  
KEYWORDS  
SOURCE  
ORGANISM  
CONCISE

5. Mansueti (AtrialApo) DNA, clone pS1-7.

Schistocerca gossypii (AtrialApo) DNA, clone pS1-7.

Subkaryota Metapoa platyphallidis; Trematoda; Digenea;

Stenopoda; Schistocerca gossypii; Schistocerca gossypii;

Stenopoda; Schistocerca gossypii; Schistocerca gossypii;

Stenopoda; Schistocerca gossypii; Schistocerca gossypii;

Stenopoda; Schistocerca gossypii; Schistocerca gossypii;

Prod. No. 18 is the number of results predicted by chance to have a







ORGANISM

REFERENCE

Archidopsis thaliana  
Brassicaceae: Brassicaceae: Arabidopsis  
Spermatophyta: Magnoliophyta: eudicotyledons: core eudicots:  
Brassicaceae: Arabidopsis

REFERENCE

2 (bases 1 to 10665)  
Alteiri H., Nguyen M., Lam B., Southwick A., Miranda M., Brooks A.,  
Hong B., Johnson-Hopson C., Kishimoto A., Cho, B., Gonzalez, A.,  
Lanz C., Liu A., Liu S., Mohareby N., Palm P., Salano B., Xu,  
Sham P., Tortum N., Vayenberg M., Yu G., Ecker J., Theologis A.

JOURNAL

Unpublished

REFERENCE

2 (bases 1 to 10665)  
Alteiri H., Nguyen M., Lam B., Southwick A., Miranda M., Brooks A.,  
Hong B., Johnson-Hopson C., Kishimoto A., Cho, B., Gonzalez, A.,  
Lanz C., Liu A., Liu S., Mohareby N., Palm P., Salano B., Xu,  
Sham P., Tortum N., Vayenberg M., Yu G., Ecker J., Theologis A.

JOURNAL

Unpublished

REFERENCE

2 (bases 1 to 10665)  
Alteiri H., Nguyen M., Lam B., Southwick A., Miranda M., Brooks A.,  
Hong B., Johnson-Hopson C., Kishimoto A., Cho, B., Gonzalez, A.,  
Lanz C., Liu A., Liu S., Mohareby N., Palm P., Salano B., Xu,  
Sham P., Tortum N., Vayenberg M., Yu G., Ecker J., Theologis A.

JOURNAL

Unpublished

REFERENCE

2 (bases 1 to 10665)  
Alteiri H., Nguyen M., Lam B., Southwick A., Miranda M., Brooks A.,  
Hong B., Johnson-Hopson C., Kishimoto A., Cho, B., Gonzalez, A.,  
Lanz C., Liu A., Liu S., Mohareby N., Palm P., Salano B., Xu,  
Sham P., Tortum N., Vayenberg M., Yu G., Ecker J., Theologis A.

JOURNAL

Unpublished

REFERENCE

2 (bases 1 to 10665)  
Alteiri H., Nguyen M., Lam B., Southwick A., Miranda M., Brooks A.,  
Hong B., Johnson-Hopson C., Kishimoto A., Cho, B., Gonzalez, A.,  
Lanz C., Liu A., Liu S., Mohareby N., Palm P., Salano B., Xu,  
Sham P., Tortum N., Vayenberg M., Yu G., Ecker J., Theologis A.

JOURNAL

Unpublished

REFERENCE

2 (bases 1 to 10665)  
Alteiri H., Nguyen M., Lam B., Southwick A., Miranda M., Brooks A.,  
Hong B., Johnson-Hopson C., Kishimoto A., Cho, B., Gonzalez, A.,  
Lanz C., Liu A., Liu S., Mohareby N., Palm P., Salano B., Xu,  
Sham P., Tortum N., Vayenberg M., Yu G., Ecker J., Theologis A.

JOURNAL

Unpublished

REFERENCE

2 (bases 1 to 10665)  
Alteiri H., Nguyen M., Lam B., Southwick A., Miranda M., Brooks A.,  
Hong B., Johnson-Hopson C., Kishimoto A., Cho, B., Gonzalez, A.,  
Lanz C., Liu A., Liu S., Mohareby N., Palm P., Salano B., Xu,  
Sham P., Tortum N., Vayenberg M., Yu G., Ecker J., Theologis A.

JOURNAL

Unpublished

REFERENCE

2 (bases 1 to 10665)  
Alteiri H., Nguyen M., Lam B., Southwick A., Miranda M., Brooks A.,  
Hong B., Johnson-Hopson C., Kishimoto A., Cho, B., Gonzalez, A.,  
Lanz C., Liu A., Liu S., Mohareby N., Palm P., Salano B., Xu,  
Sham P., Tortum N., Vayenberg M., Yu G., Ecker J., Theologis A.

CDS

comp.emb. (3386, -33822)  
/gene="P1316.1"  
/note="Unknown protein: unknown protein"

CDS

13201..6375560  
/gene="P1316.2"  
/note="Similar to cytochrome oxidase"

CDS

13201..6375560  
/gene="P1316.3"  
/note="Similar to cytochrome oxidase"

CDS

13201..6375560  
/gene="P1316.4"  
/note="Similar to cytochrome oxidase"

CDS

13201..6375560  
/gene="P1316.5"  
/note="Similar to cytochrome oxidase"

CDS

13201..6375560  
/gene="P1316.6"  
/note="Similar to cytochrome oxidase"

CDS

13201..6375560  
/gene="P1316.7"  
/note="Similar to cytochrome oxidase"

CDS

13201..6375560  
/gene="P1316.8"  
/note="Similar to cytochrome oxidase"

CDS

13201..6375560  
/gene="P1316.9"  
/note="Similar to cytochrome oxidase"

CDS

13201..6375560  
/gene="P1316.10"  
/note="Similar to cytochrome oxidase"

CDS

13201..6375560  
/gene="P1316.11"  
/note="Similar to cytochrome oxidase"

CDS

13201..6375560  
/gene="P1316.12"  
/note="Similar to cytochrome oxidase"

























Query Match 92.0% Score 16.4; DB 2; Length 60866;  
Best Local Similarity 94.4%; Pred. No. 7402;  
Matches 17; Conservative 0; Mismatches 1; Caps 0;  
OF 3 ATTACCCCGCGCGTC 20  
|||||  
DB 62105 ATTACCCCGCGCGTC 62088  
Search completed: May 12, 2003, 01:53:59  
Job time : 244 secs

---









CC the disclosure of the invention.

50 Sequence 747 BP: 249 A; 297 C; 102 G; 99 T; 0 other:

Query Match 84.0% Score 16.9; DB 24; Length 747;

Best Local Similarity 90.0% Pval. No. 28

Matches 18; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

OR 1 AATATACCGCCAGCTCTC 20

DB 348 AATATACCGCCAGCTCTC 367

RESULT 6

NC H0053095

AC H0053094

OR 12-IM-2002 (first entry)

XX Oligonucleotide for detecting cytosine methylation SEQ ID NO 39685.

XX Hmab; cytosine methylation; 5'-CpG-3'; uretic; cytosine diagnosis;

XX drug; side effect; cancer; central nervous system; cardiovascular;

XX SNP; cell differentiation; ds

XX Hmab sapiens.

XX W0200218632-A2.

OR 07-HA-2002.

XX 01-SEP-2001; 2001MO-BP10074.

XX 01-SEP-2001; 2000DE-1043825.

XX 05-SEP-2001; 2000DE-1044543.

XX (BP10-1) EPIDERMIS AG.

XX Olek A. Piepshock C. Berlin K. Guelly D.

XX WPI: 2002-37183740.

XX Determining the degree of cytosine methylation in genomic DNA, useful

XX for diagnosis and prognosis, comprises selective hybridization of

XX aptamers from chemically treated DNA.

XX Claim 12: 56pp + Sequence listing; 56pp; Gemma.

XX This invention describes a novel method for determining the degree of

XX cytosine methylation in genomic DNA. The sample is treated chemically to convert in a

XX cytosine (C) but not methylated C, to uracil, then part of the genomic

XX DNA is amplified by PCR. The amplicons are hybridized to a labeled aptamer.

XX The amplicons are hybridized to two classes of aptamers, each with at least one

XX member of oligonucleotide and/or peptide-nucleic acid (PNA) oligomers

XX and the degree of hybridization to both classes is determined from the

XX classes of oligomers, the degree of methylation is calculated. The method

XX is used: (1) for diagnosis and/or prognosis of side effects of

XX systems etc., particularly by detecting mutations or single nucleotide

XX polymorphisms (SNPs); and (2) for differentiation of cell or tissue

XX types and for investigating cell differentiation. The method allows the

XX methylation status of many C residues to be determined simultaneously.

XX AB013410-AB054121 represent genomic DNA sequences used to illustrate the

XX the disclosure of the invention.

XX Sequence 748 BP: 104 A; 101 C; 282 G; 261 T; 0 other:

Query Match 84.0% Score 16.9; DB 24; Length 748;

Best Local Similarity 90.0% Pval. No. 28

Matches 18; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

OR 1 AATATACCGCCAGCTCTC 20

DB 310 AATATACCGCCAGCTCTC 291

RESULT 7

NC H0053095

AC H0053095

OR 12-IM-2002 (first entry)

XX Oligonucleotide for detecting cytosine methylation SEQ ID NO 39685.

XX Hmab; cytosine methylation; 5'-CpG-3'; uretic; cytosine diagnosis;

XX drug; side effect; cancer; central nervous system; cardiovascular;

XX SNP; cell differentiation; ds

XX Hmab sapiens.

XX W0200218632-A2.

OR 07-HA-2002.

XX 01-SEP-2001; 2001MO-BP10074.

XX 01-SEP-2001; 2000DE-1043825.

XX 05-SEP-2001; 2000DE-1044543.

XX (BP10-1) EPIDERMIS AG.

XX Olek A. Piepshock C. Berlin K. Guelly D.

XX WPI: 2002-37183740.

XX Determining the degree of cytosine methylation in genomic DNA, useful

XX for diagnosis and prognosis, comprises selective hybridization of

XX aptamers from chemically treated DNA.

XX Claim 12: 56pp + Sequence listing; 56pp; Gemma.

XX This invention describes a novel method for determining the degree of

XX cytosine methylation in genomic DNA. The sample is treated chemically to convert in a

XX cytosine (C) but not methylated C, to uracil, then part of the genomic

XX DNA is amplified by PCR. The amplicons are hybridized to a labeled aptamer.

XX The amplicons are hybridized to two classes of aptamers, each with at least one

XX member of oligonucleotide and/or peptide-nucleic acid (PNA) oligomers

XX and the degree of hybridization to both classes is determined from the

XX classes of oligomers, the degree of methylation is calculated. The method

XX is used: (1) for diagnosis and/or prognosis of side effects of

XX systems etc., particularly by detecting mutations or single nucleotide

XX polymorphisms (SNPs); and (2) for differentiation of cell or tissue

XX types and for investigating cell differentiation. The method allows the

XX methylation status of many C residues to be determined simultaneously.

XX AB013410-AB054121 represent genomic DNA sequences used to illustrate the

XX the disclosure of the invention.

XX Sequence 748 BP: 261 A; 283 C; 101 G; 104 T; 0 other:

Query Match 84.0% Score 16.9; DB 24; Length 748;

Best Local Similarity 90.0% Pval. No. 28;



XX 26-MAR-2002 (first entry)  
 XX Drocephila melanogaster expressed polynucleotide SEQ ID NO 36104.  
 XX Drocephila: developmental biology; cell signalling; insecticide;  
 XX pharmacological; gene; ss.  
 XX Drocephila melanogaster.  
 XX W020011042-A2.  
 XX 27-SEP-2001.  
 XX 23-MAR-2001, 2001WO-0809331.  
 XX 23-MAR-2001, 2000US-191679.  
 XX 11-OCT-2001, 2000US-0624150.  
 XX (PSEQ) PE CORP NY.  
 XX Ventner JC, Adams M, Li PM, Myers BR;  
 XX WFI: 2001-65680/75.  
 XX P-SEQ: A88971.1.  
 XX New isolated nucleic acid detection reagent for detecting 1000 or more  
 XX polynucleotides and for elucidating cell signalling and cell-cell  
 XX interactions.  
 XX Claim 1: SEQ ID NO 36104, 21bp \* Sequence Listing: English.  
 XX The invention relates to an isolated nucleic acid detection reagent  
 XX capable of detecting 1000 or more genes from *Drosophila*. The invention is  
 XX useful for detecting cell signalling and cell-cell interactions and  
 XX cell-cell interactions in higher eukaryotes for identifying cell signalling  
 XX insecticides, therapeutic and pharmaceutical drugs. The invention  
 XX discloses genomic DNA sequences (A8816176-A8816151), expressed DNA  
 XX (A8877313-A8870272), and the encoded proteins.  
 XX The sequence data for this patent did not form part of the printed  
 XX record and is not included in electronic format directly from WIPO  
 XX at ftp://ipo.int/pdb/published\_pdb\_sequences.  
 XX Sequence 3484 BP: 1400 A, 1280 C, 1322 G, 1480 T; 0 other;  
 XX Query Match 92.04; Score 16.4; DB 23; Length 5481;  
 XX Meet Local Similarity 94.04; Pval: No. 56;  
 XX Matches 17; Consensitive 0; Mismatches 1; Indels 0; Gaps 0;  
 XX 3 ATTATACCCCACTCCCTCC 20  
 XX 652 ATTATACCCCACTCCCTCC 669  
 XX RESULT 11  
 XX ID A886682/c  
 XX ID A886682 standard; cDNA, 729 BP.  
 XX A886682;  
 XX 13-FEB-2002 (first entry)  
 XX DNA encoding novel human diagnostic protein 42486.  
 XX Human: chromosome mapping; gene mapping; gene therapy; forensic;  
 XX food supplement; medical imaging; diagnostic; genetic disorder; ss.  
 XX Homo sapiens.  
 XX W0200175067-A2.  
 XX 11-OCT-2001.  
 XX 30-MAR-2001, 2001WO-0808631.  
 XX 30-MAR-2001, 2001WO-0808631.  
 XX 31-MAR-2001, 2000US-0540217.  
 XX 27-SEP-2001, 2000US-0649310.  
 XX (PSEQ) HNSO INC.  
 XX Dumanac RT, Liu C, Tang TT;  
 XX WFI: 2001-633962/73.  
 XX P-SEQ: A8801455.  
 XX New isolated polynucleotide and encoded polypeptide, useful in  
 XX diagnostics, forensic, gene mapping, identification of mutations  
 XX in human, and for elucidating cell signalling and cell-cell  
 XX interactions or other traits and to assess biodiversity.  
 XX Claim 1: SEQ ID NO 2466, 101bp: English.  
 XX The invention relates to isolated polynucleotide (1) and  
 XX polypeptide (11) sequences. (1) is useful as hybridization probes,  
 XX for gene mapping, and in recombinant production of (11). The  
 XX polynucleotides are also used in diagnostics as expressed sequence tags  
 XX (ESTs) for identifying genes. (11) is useful for identifying genes  
 XX to restore normal activity of (11) or to treat disease states involving  
 XX a food supplement. (11) and its binding partners are useful in medical  
 XX imaging of sites expressing (11). (1) and (11) are useful for treating  
 XX the polynucleotide and polynucleotide expression and biological activity.  
 XX diagnostic, forensic, gene mapping, identification of mutations  
 XX responsive for genetic disorders or other traits to assess biodiversity  
 XX and also acid sequences. A884919-A884954 represent novel human  
 XX diagnostic coding sequences of the invention.  
 XX The polynucleotide and polynucleotide sequences appear in the printed  
 XX specification but was obtained in electronic format directly from WIPO  
 XX at ftp://ipo.int/pdb/published\_pdb\_sequences.  
 XX Sequence 729 BP: 269 A, 175 C, 148 G, 137 T; 0 other;  
 XX Query Match 79.04; Score 15.8; DB 23; Length 729;  
 XX Meet Local Similarity 82.34; Pval: No. 54;  
 XX Matches 17; Consensitive 0; Mismatches 2; Indels 0; Gaps 0;  
 XX 1 ATTATACCCCACTCCCTCC 19  
 XX 514 ATTATACCCCACTCCCTCC 496  
 XX RESULT 12  
 XX ID A8875819/c  
 XX ID A8875819 standard; cDNA, 729 BP.  
 XX A8875819;  
 XX 13-FEB-2002 (first entry)  
 XX DNA encoding novel human diagnostic protein 41623.  
 XX Human: chromosome mapping; gene mapping; gene therapy; forensic;  
 XX food supplement; medical imaging; diagnostic; genetic disorder; ss.  
 XX Homo sapiens.  
 XX W0200175067-A2.  
 XX 11-OCT-2001.  
 XX 30-MAR-2001, 2001WO-0808631.







Best Local Similarity: 98.9%, Pred. No. 57,  
Matches 16, Conservative 0, Mismatches 2, Indels 0, Gaps 0,  
QY 1 ANNTAACGCCGACCTG 18  
DB 660 ANNTAACGCCGACCTG 643

RESULT 2  
US-09-388-774-2/c  
Sequence 2, Application US/09388774  
GENERAL INFORMATION:  
APPLICANT: Hillman, Jennifer L.  
APPLICANT: Hillman, Jennifer L.  
APPLICANT: Hillman, Jennifer L.  
TITLE OF INVENTION: GROWTH ASSOCIATED PROTEIN-TYPE  
TITLE OF INVENTION: INHIBITOR HEAVY CHAIN PROTEIN  
CORRESPONDENCE ADDRESS:  
ADDRESS: Incyte Pharmaceuticals, Inc.  
CITY: JAY ALTO  
STATE: CA  
COUNTRY: USA  
COMPUTER READABLE FORM:  
MEDIA TYPE: Diskette  
OPERATING SYSTEM: DOS  
SOFTWARE: Word Perfect 6.1/MS-DOS 6.2  
CHUNK APPLICATION DATA:  
APPLICATION NUMBER: 09/09788,774  
FILING DATE:  
CLASSIFICATION:  
PUBLICATION DATE:  
APPLICATION NUMBER: 09/0974,579  
FILING DATE:  
ATTORNEY/AGENT INFORMATION:  
REGISTRATION NUMBER: 39,112  
REFERENCE/DOCKET NUMBER: PP-0505 US  
TELEPHONE: 650-855-0955  
TELEFAX: 650-845-4166  
IMPROVATION FOR ED TO NO: 2:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 3636 base pairs  
STRANDEDNESS: single  
TOPOLOGY: linear  
INSTRUMENT: ABI PRISM 3100XL  
LIBRARY: STRATGEN002  
CLONE: 608143  
Query Match 74.0%, Score 14.8; DB 4; Length 3636;  
Best Local Similarity: 88.9%, Pred. No. 57,  
Matches 16, Conservative 0, Mismatches 2, Indels 0, Gaps 0,  
QY 1 ANNTAACGCCGACCTG 18  
DB 660 ANNTAACGCCGACCTG 643

APPLICANT: Streptococcus Saliva  
TITLE OF INVENTION: Surface Methicillin Mutants.  
NUMBER OF SEQUENCES: 14  
CORRESPONDENCE ADDRESS: Bendersoo, Prabow, Garrett & Dunnet  
STREET: 1001 I Street, N.W., Suite 700  
CITY: Washington  
COUNTRY: USA  
ZIP: 20005-3115  
COMPUTER READABLE FORM:  
MEDIA TYPE: disk  
OPERATING SYSTEM: IBM PC compatible  
SOFTWARE: Pictus Release #1.0, Version #1.30  
CHUNK APPLICATION DATA:  
APPLICATION NUMBER: 06/06673,190A  
FILING DATE: 27-JUN-1996  
ATTORNEY/AGENT INFORMATION:  
NAME: Forgan, David S.  
REFERENCE/DOCKET NUMBER: 06473, 0001-00000  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 202/462-4600  
TELEFAX: 202/462-4640  
IMPROVATION FOR ED TO NO: 4:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 1084 base pairs  
STRANDEDNESS: both  
TOPOLOGY: linear  
INSTRUMENT: Pharmacia LKB (genomic)  
LIBRARY: N/A  
ORIGINAL SOURCE:  
ORGANISM: Streptococcus species  
US-06-673-190A-4  
Query Match 71.0%, Score 14.2; DB 2; Length 308;  
Best Local Similarity: 74.4%, Pred. No. 57,  
Matches 16, Conservative 3, Indels 0, Gaps 0,  
QY 2 TTTTAAACGCCGCTG 20  
DB 102 TTTTAAACGCCGCTG 84

RESULT 4  
US-06-672-850-5  
Sequence 5, Application US/06672850  
GENERAL INFORMATION:  
APPLICANT: Milbrandt, Jeffrey  
APPLICANT: Milbrandt, Jeffrey  
TITLE OF INVENTION: NINTEIN  
NUMBER OF SEQUENCES: 34  
CORRESPONDENCE ADDRESS:  
STREET: Four Embarcadero Center, Suite 3400  
CITY: San Francisco  
COUNTRY: United States  
ZIP: 94111  
COMPUTER READABLE FORM:  
MEDIA TYPE: floppy disk  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Pictus Release #1.0, Version #1.30  
CHUNK APPLICATION DATA:  
APPLICATION NUMBER: US/06672,850  
CLASSIFICATION: 435  
ATTORNEY/AGENT INFORMATION:  
NAME: Silva, Rodin M.



```

1 REGISTRATION NUMBER: 38,104
2 REFERENCE/LOCKER NUMBER: A-63610
3 TELECOMMUNICATION INFORMATION:
4 TELEPHONE: (415) 368-3249
5 TELEFAX: (415) 368-3249
6 INFORMATION FOR SEQ ID NO: 5:
7 SOURCE CHARACTERISTICS:
8 ORGANISM: HUMAN
9 TYPE: nucleic acid
10 STRANDEDNESS: unknown
11 MOLECULE TYPE: DNA (genomic)
12 DB:006672-450-5
13
14 Query Match: 71.0%, Score 14.2, DB 3, Length 1215,
15 Similarity 64.9%, Positives 1, Identities 0:
16 Matches: 16; Conservative 0; Mismatches 3; Gaps 0;
17
18 Db: 1192 ACNAAAACCCACCCCTCT 1210
19
20
21 RESULT: 5
22 DB:006414-926A-6
23 Sequence 6, Application US/06414926A
24 REFERENCE: 572314
25 GENERAL INFORMATION:
26 APPLICANT: Speeche, Richard
27 TITLE OF INVENTION: A NOVEL HUMAN CYTOMEGALOVIRUS
28 NUMBER OF SEQUENCES: 27
29 CORRESPONDENCE ADDRESS:
30 Dr. Richard David Castro Huddleston & Tatum
31 STREET: 5 Palo Alto Square
32 CITY: Palo Alto
33 STATE: CA
34 COUNTRY: USA
35 ZIP: 94306-2135
36
37 COMPUTER READABLE FORM:
38 LOCKER: COPY DATA
39 OPERATING SYSTEM: FC-DOCS/MS-DOS
40 SOFTWARE: Patent Release $1.0, Version $1.25
41 APPLICATION NUMBER: US/06/414,926A
42 FILING DATE: March 31, 1995
43 CLASSIFICATION: 435
44 NUCLEOTIDE SEQUENCE INFORMATION:
45 NAME: Cse2T, Human
46 REGISTRATION NUMBER: 31,822
47 REFERENCE/LOCKER NUMBER: ATR1-011,000S
48 TELEPHONE: (415) 368-3249
49 TELEFAX: (415) 368-3249
50 TELEPHONE: 415-367-0663
51 SEQUENCE CHARACTERISTICS: 6
52 LENGTH: 18318 base pairs
53 TYPE: nucleic acid
54 STRANDEDNESS: unknown
55 MOLECULE TYPE: DNA (genomic)
56 ORGANISM: HUMAN
57 ORIGIN: SOURCE:
58 ORGANISM: HUMAN CNY
59 STRAIN: Toledo
60 FEEL: 91838
61 NAME/KEY: CDS
62 LOCATION: 511, 1281
63 OTHER INFORMATION: /product = "U1133"
64 FEATURE: INFORMATION: /product = "U1133"
65 NAME/KEY: CDS

```

```

1 LOCATION: 1401, 2384
2 OTHER INFORMATION: /product = "U1135"
3 FEATURE: CDS
4 NAME/KEY: CDS
5 LOCATION: 218, 1197
6 OTHER INFORMATION: /product = "U1136"
7 FEATURE: CDS
8 NAME/KEY: CDS
9 LOCATION: 323, 3798
10 OTHER INFORMATION: /product = "U1138"
11 FEATURE: CDS
12 NAME/KEY: CDS
13 LOCATION: 4355, 4759
14 OTHER INFORMATION: /product = "U1139"
15 FEATURE: CDS
16 NAME/KEY: CDS
17 LOCATION: 4944, 5265
18 OTHER INFORMATION: /product = "U1140"
19 FEATURE: CDS
20 NAME/KEY: CDS
21 LOCATION: 5558, 6833
22 OTHER INFORMATION: /product = "U1141"
23 FEATURE: CDS
24 NAME/KEY: CDS
25 LOCATION: 6908, 7813
26 OTHER INFORMATION: /product = "U1142"
27 FEATURE: CDS
28 NAME/KEY: CDS
29 LOCATION: 7813, 8088
30 OTHER INFORMATION: /product = "U1143"
31 FEATURE: CDS
32 NAME/KEY: CDS
33 LOCATION: 8468, 8995
34 OTHER INFORMATION: /product = "U1144"
35 FEATURE: CDS
36 NAME/KEY: CDS
37 LOCATION: 9327, 9626
38 OTHER INFORMATION: /product = "U1145"
39 FEATURE: CDS
40 NAME/KEY: CDS
41 LOCATION: 9910, 10260
42 OTHER INFORMATION: /product = "U1146"
43 FEATURE: CDS
44 NAME/KEY: CDS
45 LOCATION: 10328, 10804
46 OTHER INFORMATION: /product = "U1147"
47 FEATURE: CDS
48 NAME/KEY: CDS
49 LOCATION: 1106, 11063
50 OTHER INFORMATION: /product = "U1148"
51 FEATURE: CDS
52 NAME/KEY: CDS
53 LOCATION: 1243, 12642
54 OTHER INFORMATION: /product = "U1152"
55 FEATURE: CDS
56 NAME/KEY: CDS
57 LOCATION: 1569, 14210
58 OTHER INFORMATION: /product = "U1150"
59 FEATURE: CDS
60 NAME/KEY: CDS
61 LOCATION: 16216, 16581
62 OTHER INFORMATION: /product = "U1149"
63 FEATURE: CDS
64 NAME/KEY: CDS
65 LOCATION: 1004, 1528
66 OTHER INFORMATION: /product = "U1134"
67 FEATURE: CDS
68 NAME/KEY: CDS
69 LOCATION: 3063, 3350
70 OTHER INFORMATION: /product = "U1137"
71 FEATURE: CDS
72 NAME/KEY: CDS
73 LOCATION: 16337, 18262

```

OTHER INFORMATION: /product = "UL150"  
 NAME/KEY: CSB  
 LOCATION: 11732.18759  
 OTHER INFORMATION: /product = "UL151"  
 OS-08-414-9268-6

Query Match 71.0% Score 14.2; MD 1; Length 18138;  
 Best Local Similarity 84.2% Pwd.No. 1-ae02;  
 Matches 16; Consistent/False 0; Mismatches 3; Indels 0; Gaps 0;  
 Or 1 AAAAAACCCCACTCT 19  
 DB 15095 AAAAAACCCCACTCT 15073

NAME/KEY: CSB  
 LOCATION: 9127.9526  
 OTHER INFORMATION: /product = "UL145"  
 NAME/KEY: CSB  
 LOCATION: 910.10260  
 OTHER INFORMATION: /product = "UL146"  
 NAME/KEY: CSB  
 LOCATION: 8168.6895  
 OTHER INFORMATION: /product = "UL143"  
 NAME/KEY: CSB  
 LOCATION: 10328.10804  
 OTHER INFORMATION: /product = "UL147"  
 NAME/KEY: CSB  
 LOCATION: 1106.12053  
 OTHER INFORMATION: /product = "UL148"  
 NAME/KEY: CSB  
 LOCATION: 11313.12942  
 OTHER INFORMATION: /product = "UL132"  
 NAME/KEY: CSB  
 LOCATION: 11569.14210  
 OTHER INFORMATION: /product = "UL130"  
 NAME/KEY: CSB  
 LOCATION: 16216.16581  
 OTHER INFORMATION: /product = "UL149"  
 NAME/KEY: CSB  
 LOCATION: 1004.1528  
 OTHER INFORMATION: /product = "UL134"  
 NAME/KEY: CSB  
 LOCATION: 3053.3350  
 OTHER INFORMATION: /product = "UL137"  
 NAME/KEY: CSB  
 LOCATION: 11317.18262  
 OTHER INFORMATION: /product = "UL150"  
 NAME/KEY: CSB  
 LOCATION: 11732.18759  
 OTHER INFORMATION: /product = "UL151"  
 OS-08-926-922-6

OTHER INFORMATION: /product = "UL150"  
 NAME/KEY: CSB  
 LOCATION: 11732.18759  
 OTHER INFORMATION: /product = "UL151"  
 OS-08-414-9268-6  
 Query Match 71.0% Score 14.2; MD 1; Length 18138;  
 Best Local Similarity 84.2% Pwd.No. 1-ae02;  
 Matches 16; Consistent/False 0; Mismatches 3; Indels 0; Gaps 0;  
 Or 1 AAAAAACCCCACTCT 19  
 DB 15095 AAAAAACCCCACTCT 15073  
 NAME/KEY: CSB  
 LOCATION: 9127.9526  
 OTHER INFORMATION: /product = "UL145"  
 NAME/KEY: CSB  
 LOCATION: 910.10260  
 OTHER INFORMATION: /product = "UL146"  
 NAME/KEY: CSB  
 LOCATION: 8168.6895  
 OTHER INFORMATION: /product = "UL143"  
 NAME/KEY: CSB  
 LOCATION: 10328.10804  
 OTHER INFORMATION: /product = "UL147"  
 NAME/KEY: CSB  
 LOCATION: 1106.12053  
 OTHER INFORMATION: /product = "UL148"  
 NAME/KEY: CSB  
 LOCATION: 11313.12942  
 OTHER INFORMATION: /product = "UL132"  
 NAME/KEY: CSB  
 LOCATION: 11569.14210  
 OTHER INFORMATION: /product = "UL130"  
 NAME/KEY: CSB  
 LOCATION: 16216.16581  
 OTHER INFORMATION: /product = "UL149"  
 NAME/KEY: CSB  
 LOCATION: 1004.1528  
 OTHER INFORMATION: /product = "UL134"  
 NAME/KEY: CSB  
 LOCATION: 3053.3350  
 OTHER INFORMATION: /product = "UL137"  
 NAME/KEY: CSB  
 LOCATION: 11317.18262  
 OTHER INFORMATION: /product = "UL150"  
 NAME/KEY: CSB  
 LOCATION: 11732.18759  
 OTHER INFORMATION: /product = "UL151"  
 OS-08-926-922-6

```
NAME/KEY: CDS
LOCATION: 4355..4759
OTHER INFORMATION: /product = "UL139"
REMARKS:
NAME/KEY: CDS
LOCATION: 4944..5285
OTHER INFORMATION: /product = "UL140"
```

```

LOCATION: 5558.,6832
OTHER INFORMATION: /Product = "0L141"
NAME/REV: CDS
LOCATION: 6908.,7825
OTHER INFORMATION: /Product = "0L42"
NAME/REV: CDS
LOCATION: 7813.,8088
OTHER INFORMATION: /Product = "0L143"
NAME/REV: CDS
LOCATION: 8468.,8995
OTHER INFORMATION: /Product = "0L44"
NAME/REV: CDS
LOCATION: 9327.,9656
OTHER INFORMATION: /Product = "0L145"
NAME/REV: CDS
LOCATION: 9910.,10260
OTHER INFORMATION: /Product = "0L146"
NAME/REV: CDS
LOCATION: 10328.,10804
OTHER INFORMATION: /Product = "0L147"
NAME/REV: CDS
LOCATION: 11106.,12053
OTHER INFORMATION: /Product = "0L148"
NAME/REV: CDS
LOCATION: 12133.,12942
OTHER INFORMATION: /Product = "0L132"
NAME/REV: CDS
LOCATION: 13569.,14210
OTHER INFORMATION: /Product = "0L130"
NAME/REV: CDS
LOCATION: 16216.,16581
OTHER INFORMATION: /Product = "0L149"
NAME/REV: CDS
LOCATION: 1004.,11528
OTHER INFORMATION: /Product = "0L134"
NAME/REV: CDS
LOCATION: 3063.,3350
OTHER INFORMATION: /Product = "0L137"
NAME/REV: CDS
LOCATION: 16337.,18262
OTHER INFORMATION: /Product = "0L150"
NAME/REV: CDS
LOCATION: 17152.,18759
OTHER INFORMATION: /Product = "0L151"
08-09-2015 08:09
Query Match Success: 71.0%; Score: 14.32; DB: 3; Length: 18918;
      Best Local Similarity: 48.2%; Prod: 32.; 46703;
Matches: 16; Uncoverables: 0; Minimizer: 3; Totals: 0; Pages: 0

```



```

RESULT 9
US-09-134-078-4
/ Sequence 14, Application US/09314078
/ Patent No. 6468824
/ ORGANISM: Artificial Sequence
/ APPLICANT: EYLA, Edward J.
/ INVENTOR: EYLA, Edward J.
/ OTHER INFORMATION: Description of Artificial Sequence: No. 6468824 =
/ NUMBER OF SEQUENCES: 12
/ OTHER INFORMATION: Synthetic construct
/ ADDRESS: 6599 City View & Presidential Lp
/ CITY: San Diego
/ STATE: CA
/ COUNTRY: USA
/ SEQ ID NO: 1
/ DEFINITION:
/ COMMENT: EXTRACTED FROM:
/ METHOD TYPE: Discrete
/ OPERATING SYSTEM: Windows95
/ SOFTWARE: FASTSEQ for Windows Version 2.0
/ CURRENT APPLICATION NUMBER: US/09/134/078
/ FILING DATE: 13-05-1998
/ CLASSIFICATION: 415
/ PRIORITY NUMBER: US/94/026
/ FILING DATE: 10-01-1997
/ APPLICATION NUMBER: 66/056,916
/ INVENTOR: Sater, Brian M.
/ APPLICANT: Sater, Brian M.
/ ATTORNEY/AGENT INFORMATION:
/ NAME: Baile, Lisa A.
/ REGISTRATION NUMBER: 88,317
/ EXPIRATION DATE: 2000-03-22
/ CURRENT APPLICATION NUMBER: US/09/532,594B
/ FILING DATE: 2000-03-22
/ SOFTWARE: FASTSEQ for Windows Version 4.0
/ SEQ ID NO: 3
/ TYPE: DNA
/ ORGANISM: Artificial Sequence
/ FRAGMENT:
/ OTHER INFORMATION: Description of Artificial Sequence: No. 6468824 =
/ OTHER INFORMATION: Synthetic construct
/ NAME/KEY: CDS (1372)
/ LOCATION: (1) .. (1372)
/ MAP: 1372
/ PRIMER:
/ NAME/KEY: Coding Sequence
/ LOCATION: 1...1372
/ US-09-134-078-4
/ Query Match: 69.0%; Score 13.8; DB: 4; Length 1500;
/ Best Local Similarity: 88.2%; Pred. No. 1.8e+02;
/ Matches: 15; Conservative: 0; Mismatches: 2; Indels: 0; Gaps: 0;
/ DB: 727 ATATGCCCCGCGCTTC 743

RESULT 10
US-09-532-594B-14/C
/ Sequence 14, Application US/09532594B
/ Patent No. 6468824
/ ORGANISM: Artificial Sequence
/ APPLICANT: Chotral, John A.
/ INVENTOR: Chotral, John A.
/ OTHER INFORMATION: Description of Artificial Sequence: No. 6468824 =
/ NUMBER OF SEQUENCES: 12
/ OTHER INFORMATION: Synthetic construct
/ ADDRESS: 6599 City View & Presidential Lp
/ CITY: San Diego
/ STATE: CA
/ COUNTRY: USA
/ SEQ ID NO: 1
/ DEFINITION:
/ COMMENT: EXTRACTED FROM:
/ METHOD TYPE: Discrete
/ OPERATING SYSTEM: Windows95
/ SOFTWARE: FASTSEQ for Windows Version 2.0
/ CURRENT APPLICATION NUMBER: US/09/134/078
/ FILING DATE: 13-05-1998
/ CLASSIFICATION: 415
/ PRIORITY NUMBER: US/94/026
/ FILING DATE: 10-01-1997
/ APPLICATION NUMBER: 66/056,916
/ INVENTOR: Sater, Brian M.
/ APPLICANT: Sater, Brian M.
/ ATTORNEY/AGENT INFORMATION:
/ NAME: Baile, Lisa A.
/ REGISTRATION NUMBER: 88,317
/ EXPIRATION DATE: 2000-03-22
/ CURRENT APPLICATION NUMBER: US/09/532,594B
/ FILING DATE: 2000-03-22
/ SOFTWARE: FASTSEQ for Windows Version 4.0
/ SEQ ID NO: 3
/ TYPE: DNA
/ ORGANISM: Artificial Sequence
/ FRAGMENT:
/ OTHER INFORMATION: Description of Artificial Sequence: No. 6468824 =
/ OTHER INFORMATION: Synthetic construct
/ NAME/KEY: CDS (1372)
/ LOCATION: (1) .. (1372)
/ MAP: 1372
/ PRIMER:
/ NAME/KEY: Coding Sequence
/ LOCATION: 1...1372
/ US-09-532-594B-3
/ Query Match: 69.0%; Score 13.8; DB: 4; Length 1873;
/ Best Local Similarity: 88.2%; Pred. No. 1.8e+02;
/ Matches: 15; Conservative: 0; Mismatches: 2; Indels: 0; Gaps: 0;
/ DB: 302 TTGACCCGCGCTTC 286

RESULT 11
US-09-532-594B-3/C
/ Sequence 15, Application US/09532594B
/ Patent No. 6468824
/ ORGANISM: Artificial Sequence
/ APPLICANT: Chotral, John A.
/ INVENTOR: Chotral, John A.
/ OTHER INFORMATION: Description of Artificial Sequence: No. 6468824 =
/ NUMBER OF SEQUENCES: 12
/ OTHER INFORMATION: Synthetic construct
/ ADDRESS: 6599 City View & Presidential Lp
/ CITY: San Diego
/ STATE: CA
/ COUNTRY: USA
/ SEQ ID NO: 1
/ DEFINITION:
/ COMMENT: EXTRACTED FROM:
/ METHOD TYPE: Discrete
/ OPERATING SYSTEM: Windows95
/ SOFTWARE: FASTSEQ for Windows Version 2.0
/ CURRENT APPLICATION NUMBER: US/09/134/078
/ FILING DATE: 13-05-1998
/ CLASSIFICATION: 415
/ PRIORITY NUMBER: US/94/026
/ FILING DATE: 10-01-1997
/ APPLICATION NUMBER: 66/056,916
/ INVENTOR: Sater, Brian M.
/ APPLICANT: Sater, Brian M.
/ ATTORNEY/AGENT INFORMATION:
/ NAME: Baile, Lisa A.
/ REGISTRATION NUMBER: 88,317
/ EXPIRATION DATE: 2000-03-22
/ CURRENT APPLICATION NUMBER: US/09/532,594B
/ FILING DATE: 2000-03-22
/ SOFTWARE: FASTSEQ for Windows Version 4.0
/ SEQ ID NO: 3
/ TYPE: DNA
/ ORGANISM: Artificial Sequence
/ FRAGMENT:
/ OTHER INFORMATION: Description of Artificial Sequence: No. 6468824 =
/ OTHER INFORMATION: Synthetic construct
/ NAME/KEY: CDS (1372)
/ LOCATION: (1) .. (1372)
/ MAP: 1372
/ PRIMER:
/ NAME/KEY: Coding Sequence
/ LOCATION: 1...1372
/ US-09-532-594B-3
/ Query Match: 69.0%; Score 13.8; DB: 4; Length 1873;
/ Best Local Similarity: 88.2%; Pred. No. 1.8e+02;
/ Matches: 15; Conservative: 0; Mismatches: 2; Indels: 0; Gaps: 0;
/ DB: 302 TTGACCCGCGCTTC 286

RESULT 12
US-09-532-594B-15/C
/ Sequence 15, Application US/09532594B
/ Patent No. 6468824
/ ORGANISM: Artificial Sequence
/ APPLICANT: Chotral, John A.
/ INVENTOR: Chotral, John A.
/ OTHER INFORMATION: Description of Artificial Sequence: No. 6468824 =
/ NUMBER OF SEQUENCES: 12
/ OTHER INFORMATION: Synthetic construct
/ ADDRESS: 6599 City View & Presidential Lp
/ CITY: San Diego
/ STATE: CA
/ COUNTRY: USA
/ SEQ ID NO: 1
/ DEFINITION:
/ COMMENT: EXTRACTED FROM:
/ METHOD TYPE: Discrete
/ OPERATING SYSTEM: Windows95
/ SOFTWARE: FASTSEQ for Windows Version 2.0
/ CURRENT APPLICATION NUMBER: US/09/134/078
/ FILING DATE: 13-05-1998
/ CLASSIFICATION: 415
/ PRIORITY NUMBER: US/94/026
/ FILING DATE: 10-01-1997
/ APPLICATION NUMBER: 66/056,916
/ INVENTOR: Sater, Brian M.
/ APPLICANT: Sater, Brian M.
/ ATTORNEY/AGENT INFORMATION:
/ NAME: Baile, Lisa A.
/ REGISTRATION NUMBER: 88,317
/ EXPIRATION DATE: 2000-03-22
/ CURRENT APPLICATION NUMBER: US/09/532,594B
/ FILING DATE: 2000-03-22
/ SOFTWARE: FASTSEQ for Windows Version 4.0
/ SEQ ID NO: 3
/ TYPE: DNA
/ ORGANISM: Artificial Sequence
/ FRAGMENT:
/ OTHER INFORMATION: Description of Artificial Sequence: No. 6468824 =
/ OTHER INFORMATION: Synthetic construct
/ NAME/KEY: CDS (1372)
/ LOCATION: (1) .. (1372)
/ MAP: 1372
/ PRIMER:
/ NAME/KEY: Coding Sequence
/ LOCATION: 1...1372
/ US-09-532-594B-3
/ Query Match: 69.0%; Score 13.8; DB: 4; Length 1873;
/ Best Local Similarity: 88.2%; Pred. No. 1.8e+02;
/ Matches: 15; Conservative: 0; Mismatches: 2; Indels: 0; Gaps: 0;
/ DB: 302 TTGACCCGCGCTTC 286

```









```

Query Match          77.0% Score 15.4; DB 10; Length 2535;
Best Local Similarity 94.1% Pred. No. 14e02; 1; Indels 0; Gaps 0;
Matches 16; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

DY 3 ATATACGCCCCCCTCTC 15
DB 1618 ATTCACGCCACCCCTCTC 1622

RESULT 2
US-09-815-729/c
Sequence 7299 Application US/09615242
Patent No. US6020515B9A1
GENERAL INFORMATION:
APPLICANT: Ono, Robert
APPLICANT: Ono, Karl L.
APPLICANT: Tyskand, Judith W.
APPLICANT: Maki, Donald
APPLICANT: Ono, Robert
APPLICANT: Cattr, Grant D.
APPLICANT: Yamamoto, Robert T.
TITLE OF INVENTION: Identification of Essential Genes in
TITLE OF INVENTION: Proteolytic
PUBLICATION: ENZYMA 0118 US/09/615,242
CURRENT FILING DATE: 2001-03-21,078
PRIOR APPLICATION NUMBER: 60/151,078
PRIOR FILING DATE: 2000-05-23,078
PRIOR APPLICATION NUMBER: 60/204,848
PRIOR FILING DATE: 2000-10-23,078
PRIOR APPLICATION NUMBER: 60/242,578
PRIOR FILING DATE: 2000-11-27,625
PRIOR APPLICATION NUMBER: 60/257,991
PRIOR FILING DATE: 2000-12-22,308
PRIOR APPLICATION NUMBER: 60/269,308
PRIOR FILING DATE: 2001-02-16
NUMBER OF SEQ ID NOS: 1410
SEQUENCE ID NOS FOR WINDOWS VERSION 4.0
SEQ ID NO 7299
LENGTH: 2577
ORIGIN: DNA
ORGANISM: Halobacter sp/act
FEATURES:
NAME/KEY: CDS (2577)
US-09-815-242-7299

Query Match          77.0% Score 15.4; DB 10; Length 2577;
Best Local Similarity 94.1% Pred. No. 14e02; 1; Indels 0; Gaps 0;
Matches 16; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

DY 3 ATATACGCCCCCCTCTC 15
DB 1680 ATTCACGCCACCCCTCTC 1684

RESULT 3
US-09-878-574-857
Sequence 857 Application US/09678574
Patent No. US6020515B9A1
GENERAL INFORMATION:
APPLICANT: Byrum, Joseph R.
APPLICANT: Byrum, Joseph J.
APPLICANT: Thompson, Michael D.
TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
TITLE OF INVENTION: Lactate
TITLE OF INVENTION: 35-ol(1501)3

```

```

CURRENT APPLICATION NUMBER: US/09/878,574
PRIOR APPLICATION NUMBER: 09/633,553
PRIOR FILING DATE: 1999-06-14
NUMBER OF SEQ ID NOS: 15775
SEQ ID NOS FOR WINDOWS VERSION 3.0
LENGTH: 382
ORIGIN: DNA
ORGANISM: Halobacter sp/act
FEATURES:
NAME/KEY: CDS (382)
US-09-878-574-857

Query Match          76.0% Score 15.2; DB 10; Length 382;
Best Local Similarity 85.0% Pred. No. 1.1e+02; 3; Indels 0; Gaps 0;
Matches 17; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

DY 1 ATATACGCCCCCCTCTC 20
DB 58 ATATACGCCACCCCTCTC 77

RESULT 4
US-09-980-277-3
Sequence 37010 Application US/0918995
Publication No. US200307193A1
GENERAL INFORMATION:
APPLICANT: Ono, Robert
APPLICANT: Ono, Karl L.
TITLE OF INVENTION: NOVEL NUCLEIC ACID SEQUENCES OBTAINED
TITLE OF INVENTION: FROM VARIOUS OTHER LIBRARIES
CURRENT FILING DATE: 2001-07-30
CURRENT APPLICATION NUMBER: US/09/918,995
PRIOR APPLICATION NUMBER: US/09/235,078
PRIOR FILING DATE: 2001-07-30
NUMBER OF SEQ ID NOS: 380420
SOFTWARE: FASTSEQ for Windows Version 3.0
SEQ ID NO 37010
LENGTH: 395
ORIGIN: DNA
ORGANISM: Homo sapiens
FEATURES:
NAME/KEY: CDS (395)
US-09-980-277-3

Query Match          76.0% Score 15.2; DB 9; Length 395;
Best Local Similarity 85.0% Pred. No. 1.1e+02; 3; Indels 0; Gaps 0;
Matches 17; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

DY 1 ATATACGCCACCCCTCTC 20
DB 30 ATATACGCCACCCCTCTC 11

RESULT 5
US-09-820-893-30/c
Sequence 20 Application US/0920893
Patent No. US6020515B9A1
GENERAL INFORMATION:
APPLICANT: Rosen et al.
APPLICANT: Human Secreted Proteins
FILE REFERENCE: P03191
CURRENT FILING DATE: 2001-09-30
CURRENT APPLICATION NUMBER: US/09/820,893
PRIOR APPLICATION NUMBER: 60/102,119
PRIOR FILING DATE: 2000-03-20,913
PRIOR APPLICATION NUMBER: 60/102,895
PRIOR FILING DATE: 2000-03-20,913
SOFTWARE: Patent Ver. 2.0
SEQ ID NO 20
LENGTH: 395
ORIGIN: DNA
ORGANISM: Homo sapiens
FEATURES:
NAME/KEY: SITE

```

```

/ LOCATION: (1305)
/ OTHER INFORMATION: n equals a,t,g, or c
US-09-820-931-20
Query Match 76.04; Score 15.2; DB 10; Length 1529;
Best Local Similarity: 85.04; Pred. No. 1.2e+02;
Matches 17; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

OR 1 AATTATGCGCCATCCCTCC 20
DB 144 AATTATGCGCCATCCCTCC 125

RESULT 6
US-09-820-931-20
Sequence 64, Application US/09820893
File Reference 2620070679531
General Information: a1
Title OR INVENTION: 31 Human Secreted Proteins
File Reference: P203191
Current Application Number: US/09/820,893
Prior Application Number: 09/531,119
Prior Filing Date: 2000-03-20
Prior Filing Date: 1997-05-23
Prior Filing Date: 1994-11-02,555
Prior Filing Date: 1984-11-02
Number of SEQ ID Nos: 140
Software: Patentlit Ver. 2.10
Seq ID: 140
Accession: 1796
Type: DNA
Organism: Homo sapiens
Name/Text: SITE
Location: (417)
US-09-820-931-20 n equals a,t,g, or c
Query Match 76.04; Score 15.2; DB 10; Length 1796;
Best Local Similarity: 85.04; Pred. No. 1.2e+02;
Matches 17; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

OR 1 AATTATGCGCCATCCCTCC 20
DB 66 AATTATGCGCCATCCCTCC 47

RESULT 7
US-09-981-976-64/c
Sequence 64, Application US/09981876
File Reference 2620070679531
General Information:
Applicant: Rosen et al.
File Reference 2620070679531 Human Secreted Proteins
Current Application Number: US/09/981,876
Current Filing Date: 2001-10-19
Prior Application Number: 60/040,162
Prior Filing Date: 1998-09-04,26,545
Prior Application Number: 60/040,162
Prior Filing Date: 1997-03-07,40,333
Prior Application Number: 60/038,621
Prior Filing Date: 1997-03-07/04/0,161
Prior Filing Date: 1997-03-07/04/0,161
Prior Application Number: 60/040,626
Prior Filing Date: 1997-03-07/04/0,334
Prior Application Number: 60/040,334
Prior Filing Date: 1997-03-07
Prior Application Number: 60/040,156

```

```

/ PRIOR FILING DATE: 1997-03-07
/ PRIOR APPLICATION NUMBER: 60/040,163
/ PRIOR FILING DATE: 1997-03-07
/ PRIOR APPLICATION NUMBER: 60/047,515
/ PRIOR FILING DATE: 1997-03-07
/ PRIOR APPLICATION NUMBER: 60/047,500
/ PRIOR FILING DATE: 1997-05-23
/ PRIOR APPLICATION NUMBER: 60/047,597
/ PRIOR FILING DATE: 1997-05-23
/ PRIOR APPLICATION NUMBER: 60/047,502
/ PRIOR FILING DATE: 1997-05-23
/ PRIOR APPLICATION NUMBER: 60/047,633
/ PRIOR FILING DATE: 1997-05-23
/ PRIOR APPLICATION NUMBER: 60/047,583
/ PRIOR FILING DATE: 1997-05-23
/ PRIOR APPLICATION NUMBER: 60/047,617
/ PRIOR FILING DATE: 1997-05-23
/ PRIOR APPLICATION NUMBER: 60/047,618
/ PRIOR FILING DATE: 1997-05-23
/ PRIOR APPLICATION NUMBER: 60/047,503
/ PRIOR FILING DATE: 1997-05-23
/ PRIOR APPLICATION NUMBER: 60/047,592
/ PRIOR FILING DATE: 1997-05-23
/ PRIOR APPLICATION NUMBER: 60/047,584
/ PRIOR FILING DATE: 1997-05-23
/ PRIOR APPLICATION NUMBER: 60/047,581
/ PRIOR FILING DATE: 1997-05-23
/ PRIOR APPLICATION NUMBER: 60/047,500
/ PRIOR FILING DATE: 1997-05-23
/ PRIOR APPLICATION NUMBER: 60/047,587
/ PRIOR FILING DATE: 1997-05-23
/ PRIOR APPLICATION NUMBER: 60/047,492
/ PRIOR FILING DATE: 1997-05-23
/ PRIOR APPLICATION NUMBER: 60/047,588
/ PRIOR FILING DATE: 1997-05-23
/ PRIOR APPLICATION NUMBER: 60/047,613
/ PRIOR FILING DATE: 1997-05-23
/ PRIOR APPLICATION NUMBER: 60/047,582
/ PRIOR FILING DATE: 1997-05-23
/ PRIOR APPLICATION NUMBER: 60/047,596
/ PRIOR FILING DATE: 1997-05-23
/ PRIOR APPLICATION NUMBER: 60/047,612
/ PRIOR FILING DATE: 1997-05-23
/ PRIOR APPLICATION NUMBER: 60/047,602
/ PRIOR FILING DATE: 1997-05-23
/ PRIOR APPLICATION NUMBER: 60/047,601
/ PRIOR FILING DATE: 1997-05-23
/ PRIOR APPLICATION NUMBER: 60/043,580
/ PRIOR FILING DATE: 1997-04-11
/ PRIOR APPLICATION NUMBER: 60/043,568
/ PRIOR FILING DATE: 1997-04-11
/ PRIOR APPLICATION NUMBER: 60/043,314
/ PRIOR FILING DATE: 1997-04-11
/ PRIOR APPLICATION NUMBER: 60/043,569
/ PRIOR FILING DATE: 1997-04-11
/ PRIOR APPLICATION NUMBER: 60/043,311
/ PRIOR FILING DATE: 1997-04-11
/ PRIOR APPLICATION NUMBER: 60/043,671
/ PRIOR FILING DATE: 1997-04-11
/ PRIOR APPLICATION NUMBER: 60/043,674
/ PRIOR FILING DATE: 1997-04-11
/ PRIOR APPLICATION NUMBER: 60/043,669
/ PRIOR FILING DATE: 1997-04-11
/ PRIOR APPLICATION NUMBER: 60/043,312
/ PRIOR FILING DATE: 1997-04-11
/ PRIOR APPLICATION NUMBER: 60/043,313
/ PRIOR FILING DATE: 1997-04-11
/ PRIOR APPLICATION NUMBER: 60/043,672
/ PRIOR FILING DATE: 1997-04-11
/ PRIOR APPLICATION NUMBER: 60/043,315
/ PRIOR FILING DATE: 1997-04-11
/ PRIOR APPLICATION NUMBER: 60/048,974
/ PRIOR FILING DATE: 1997-06-06

```

PRIOR APPLICATION NUMBER: 60/056,886  
 PRIOR FILING DATE: 1997-08-22  
 PRIOR APPLICATION NUMBER: 60/056,897  
 PRIOR FILING DATE: 1997-08-22  
 PRIOR APPLICATION NUMBER: 60/056,889  
 PRIOR FILING DATE: 1997-08-22  
 PRIOR APPLICATION NUMBER: 60/056,893  
 PRIOR FILING DATE: 1997-08-22  
 PRIOR APPLICATION NUMBER: 60/056,630  
 PRIOR FILING DATE: 1997-08-22  
 PRIOR APPLICATION NUMBER: 60/056,652  
 PRIOR FILING DATE: 1997-08-22  
 PRIOR APPLICATION NUMBER: 60/056,872  
 PRIOR FILING DATE: 1997-08-22  
 PRIOR APPLICATION NUMBER: 60/056,882  
 PRIOR FILING DATE: 1997-08-22  
 PRIOR APPLICATION NUMBER: 60/056,637  
 PRIOR FILING DATE: 1997-08-22  
 PRIOR APPLICATION NUMBER: 60/056,903  
 PRIOR FILING DATE: 1997-08-22  
 PRIOR APPLICATION NUMBER: 60/056,888  
 PRIOR FILING DATE: 1997-08-22  
 PRIOR APPLICATION NUMBER: 60/056,879  
 PRIOR FILING DATE: 1997-08-22  
 PRIOR APPLICATION NUMBER: 60/056,880  
 PRIOR FILING DATE: 1997-08-22  
 PRIOR APPLICATION NUMBER: 60/056,894  
 PRIOR FILING DATE: 1997-08-22  
 PRIOR APPLICATION NUMBER: 60/056,911  
 PRIOR FILING DATE: 1997-08-22  
 PRIOR APPLICATION NUMBER: 60/056,636  
 PRIOR FILING DATE: 1997-08-22  
 PRIOR APPLICATION NUMBER: 60/056,874  
 PRIOR FILING DATE: 1997-08-22  
 PRIOR APPLICATION NUMBER: 60/056,910  
 PRIOR FILING DATE: 1997-08-22  
 PRIOR APPLICATION NUMBER: 60/056,864  
 PRIOR FILING DATE: 1997-08-22  
 PRIOR APPLICATION NUMBER: 60/056,631  
 PRIOR FILING DATE: 1997-08-22  
 PRIOR APPLICATION NUMBER: 60/056,845  
 PRIOR FILING DATE: 1997-08-22  
 PRIOR APPLICATION NUMBER: 60/056,892  
 PRIOR FILING DATE: 1997-08-22  
 PRIOR APPLICATION NUMBER: 60/057,761  
 PRIOR FILING DATE: 05-Sep-1997  
 PRIOR FILING DATE: 1997-05-23  
 PRIOR APPLICATION NUMBER: 60/047,599  
 PRIOR FILING DATE: 1997-05-23  
 PRIOR APPLICATION NUMBER: 60/047,588  
 PRIOR FILING DATE: 1997-05-23  
 PRIOR APPLICATION NUMBER: 60/047,585  
 PRIOR FILING DATE: 1997-05-23  
 PRIOR APPLICATION NUMBER: 60/047,586  
 PRIOR FILING DATE: 1997-05-23  
 PRIOR APPLICATION NUMBER: 60/047,590  
 PRIOR FILING DATE: 1997-05-23  
 PRIOR APPLICATION NUMBER: 60/047,594  
 PRIOR FILING DATE: 1997-05-23  
 PRIOR APPLICATION NUMBER: 60/047,589  
 PRIOR FILING DATE: 1997-05-23  
 PRIOR APPLICATION NUMBER: 60/047,593  
 PRIOR FILING DATE: 1997-05-23  
 PRIOR APPLICATION NUMBER: 60/047,614  
 PRIOR FILING DATE: 1997-05-23  
 PRIOR APPLICATION NUMBER: 60/047,578  
 PRIOR FILING DATE: 1997-04-11  
 PRIOR APPLICATION NUMBER: 60/043,576  
 PRIOR FILING DATE: 1997-04-11  
 PRIOR APPLICATION NUMBER: 60/047,501

PRIOR FILING DATE: 1997-05-23  
 PRIOR APPLICATION NUMBER: 60/043,570  
 PRIOR FILING DATE: 1997-04-11  
 PRIOR APPLICATION NUMBER: 60/056,632  
 PRIOR FILING DATE: 1997-08-22  
 PRIOR APPLICATION NUMBER: 60/056,664  
 PRIOR FILING DATE: 1997-08-22  
 PRIOR APPLICATION NUMBER: 60/056,876  
 PRIOR FILING DATE: 1997-08-22  
 PRIOR APPLICATION NUMBER: 60/056,881  
 PRIOR FILING DATE: 1997-08-22  
 PRIOR APPLICATION NUMBER: 60/056,909  
 PRIOR FILING DATE: 1997-08-22  
 PRIOR APPLICATION NUMBER: 60/056,887  
 PRIOR FILING DATE: 1997-08-22  
 PRIOR APPLICATION NUMBER: 60/056,875  
 PRIOR FILING DATE: 1997-08-22  
 PRIOR APPLICATION NUMBER: 60/056,862  
 PRIOR FILING DATE: 1997-08-22  
 PRIOR APPLICATION NUMBER: 60/056,908  
 PRIOR FILING DATE: 1997-08-22  
 PRIOR APPLICATION NUMBER: 60/048,964  
 PRIOR FILING DATE: 1997-09-05  
 PRIOR APPLICATION NUMBER: 60/057,850  
 PRIOR FILING DATE: 1997-09-05  
 PRIOR APPLICATION NUMBER: 60/056,884  
 PRIOR FILING DATE: 1997-09-05  
 PRIOR APPLICATION NUMBER: 60/056,882  
 NUMBER OF SEQ ID NOS: 280  
 SOFTWARE: Blast21 ver. 2.0  
 SEQ ID NOS: 2033  
 Query Match 76.0% Score 15.2 E-03 Length 2033  
 Subject Match 76.0% Score 15.2 E-03 Length 2033  
 Matches 177 Conservative 0 Mismatches 3 Indels 0 Gaps 0  
 DB 43 MANTAGCCTCATGCTTC 24  
 07 1 MANTAGCCTCATGCTTC 20  
 US-09-148-545-64/c  
 PUBLICATION: 60/043,585  
 GENERAL INFORMATION: 60/043,585  
 APPLICANT: Nomen et al.  
 TITLE REFERENCE: 280191  
 CURRENT APPLICATION NUMBER: 60/048,345  
 EARLIER APPLICATION NUMBER: 60/048,344  
 EARLIER FILING DATE: 1998-03-06  
 EARLIER APPLICATION NUMBER: 60/048,162  
 EARLIER FILING DATE: 1998-03-06  
 EARLIER APPLICATION NUMBER: 60/048,333  
 EARLIER FILING DATE: 1997-03-07  
 EARLIER APPLICATION NUMBER: 60/048,161  
 EARLIER FILING DATE: 1997-03-07  
 EARLIER APPLICATION NUMBER: 60/048,161  
 EARLIER FILING DATE: 1997-03-07  
 EARLIER APPLICATION NUMBER: 60/048,336  
 EARLIER FILING DATE: 1997-03-07  
 EARLIER APPLICATION NUMBER: 60/048,163  
 EARLIER FILING DATE: 1997-03-07  
 EARLIER APPLICATION NUMBER: 60/048,165  
 EARLIER FILING DATE: 1997-03-07  
 EARLIER APPLICATION NUMBER: 60/048,160  
 EARLIER FILING DATE: 1997-03-07

1	EXHIBIT APPLICATION NUMBER: 60/047,557	1	EXHIBIT FILING DATE: 1997-08-22
2	EXHIBIT FILING DATE: 1997-05-23	2	EXHIBIT APPLICATION NUMBER: 60/056,610
3	EXHIBIT APPLICATION NUMBER: 60/047,502	3	EXHIBIT FILING DATE: 1997-08-22
4	EXHIBIT FILING DATE: 1997-05-23	4	EXHIBIT APPLICATION NUMBER: 60/056,818
5	EXHIBIT FILING DATE: 1997-05-23	5	EXHIBIT FILING DATE: 1997-08-22
6	EXHIBIT APPLICATION NUMBER: 60/047,583	6	EXHIBIT APPLICATION NUMBER: 60/056,662
7	EXHIBIT FILING DATE: 1997-05-23	7	EXHIBIT FILING DATE: 1997-08-22
8	EXHIBIT APPLICATION NUMBER: 60/047,617	8	EXHIBIT APPLICATION NUMBER: 60/056,872
9	EXHIBIT FILING DATE: 1997-05-23	9	EXHIBIT FILING DATE: 1997-08-22
10	EXHIBIT APPLICATION NUMBER: 60/047,618	10	EXHIBIT APPLICATION NUMBER: 60/056,882
11	EXHIBIT FILING DATE: 1997-05-23	11	EXHIBIT FILING DATE: 1997-08-22
12	EXHIBIT APPLICATION NUMBER: 60/047,592	12	EXHIBIT APPLICATION NUMBER: 60/056,637
13	EXHIBIT FILING DATE: 1997-05-23	13	EXHIBIT FILING DATE: 1997-08-22
14	EXHIBIT APPLICATION NUMBER: 60/047,503	14	EXHIBIT APPLICATION NUMBER: 60/056,903
15	EXHIBIT FILING DATE: 1997-05-23	15	EXHIBIT FILING DATE: 1997-08-22
16	EXHIBIT APPLICATION NUMBER: 60/047,584	16	EXHIBIT APPLICATION NUMBER: 60/056,879
17	EXHIBIT FILING DATE: 1997-05-23	17	EXHIBIT FILING DATE: 1997-08-22
18	EXHIBIT APPLICATION NUMBER: 60/047,500	18	EXHIBIT APPLICATION NUMBER: 60/056,880
19	EXHIBIT FILING DATE: 1997-05-23	19	EXHIBIT FILING DATE: 1997-08-22
20	EXHIBIT APPLICATION NUMBER: 60/047,587	20	EXHIBIT APPLICATION NUMBER: 60/056,884
21	EXHIBIT FILING DATE: 1997-05-23	21	EXHIBIT FILING DATE: 1997-08-22
22	EXHIBIT APPLICATION NUMBER: 60/047,492	22	EXHIBIT APPLICATION NUMBER: 60/056,911
23	EXHIBIT FILING DATE: 1997-05-23	23	EXHIBIT FILING DATE: 1997-08-22
24	EXHIBIT APPLICATION NUMBER: 60/047,586	24	EXHIBIT APPLICATION NUMBER: 60/056,616
25	EXHIBIT FILING DATE: 1997-05-23	25	EXHIBIT FILING DATE: 1997-08-22
26	EXHIBIT APPLICATION NUMBER: 60/047,613	26	EXHIBIT APPLICATION NUMBER: 60/056,874
27	EXHIBIT FILING DATE: 1997-05-23	27	EXHIBIT FILING DATE: 1997-08-22
28	EXHIBIT APPLICATION NUMBER: 60/047,582	28	EXHIBIT APPLICATION NUMBER: 60/056,910
29	EXHIBIT FILING DATE: 1997-05-23	29	EXHIBIT FILING DATE: 1997-08-22
30	EXHIBIT APPLICATION NUMBER: 60/047,596	30	EXHIBIT APPLICATION NUMBER: 60/056,864
31	EXHIBIT FILING DATE: 1997-05-23	31	EXHIBIT FILING DATE: 1997-08-22
32	EXHIBIT APPLICATION NUMBER: 60/047,612	32	EXHIBIT APPLICATION NUMBER: 60/056,631
33	EXHIBIT FILING DATE: 1997-05-23	33	EXHIBIT FILING DATE: 1997-08-22
34	EXHIBIT APPLICATION NUMBER: 60/047,632	34	EXHIBIT APPLICATION NUMBER: 60/056,892
35	EXHIBIT FILING DATE: 1997-05-23	35	EXHIBIT FILING DATE: 1997-08-22
36	EXHIBIT APPLICATION NUMBER: 60/047,601	36	EXHIBIT APPLICATION NUMBER: 60/056,845
37	EXHIBIT FILING DATE: 1997-05-23	37	EXHIBIT FILING DATE: 1997-08-22
38	EXHIBIT APPLICATION NUMBER: 60/047,580	38	EXHIBIT APPLICATION NUMBER: 60/047,595
39	EXHIBIT FILING DATE: 1997-04-11	39	EXHIBIT FILING DATE: 1997-08-22
40	EXHIBIT APPLICATION NUMBER: 60/043,568	40	EXHIBIT APPLICATION NUMBER: 60/047,761
41	EXHIBIT FILING DATE: 1997-04-11	41	EXHIBIT FILING DATE: 1997-08-22
42	EXHIBIT APPLICATION NUMBER: 60/043,314	42	EXHIBIT APPLICATION NUMBER: 60/047,599
43	EXHIBIT FILING DATE: 1997-04-11	43	EXHIBIT FILING DATE: 1997-08-22
44	EXHIBIT APPLICATION NUMBER: 60/043,569	44	EXHIBIT APPLICATION NUMBER: 60/047,588
45	EXHIBIT FILING DATE: 1997-04-11	45	EXHIBIT FILING DATE: 1997-08-22
46	EXHIBIT APPLICATION NUMBER: 60/043,311	46	EXHIBIT APPLICATION NUMBER: 60/047,585
47	EXHIBIT FILING DATE: 1997-04-11	47	EXHIBIT FILING DATE: 1997-08-22
48	EXHIBIT APPLICATION NUMBER: 60/043,671	48	EXHIBIT APPLICATION NUMBER: 60/047,586
49	EXHIBIT FILING DATE: 1997-04-11	49	EXHIBIT FILING DATE: 1997-08-22
50	EXHIBIT APPLICATION NUMBER: 60/043,674	50	EXHIBIT APPLICATION NUMBER: 60/047,590
51	EXHIBIT FILING DATE: 1997-04-11	51	EXHIBIT FILING DATE: 1997-08-22
52	EXHIBIT APPLICATION NUMBER: 60/043,669	52	EXHIBIT APPLICATION NUMBER: 60/047,584
53	EXHIBIT FILING DATE: 1997-04-11	53	EXHIBIT FILING DATE: 1997-08-22
54	EXHIBIT APPLICATION NUMBER: 60/043,312	54	EXHIBIT APPLICATION NUMBER: 60/047,593
55	EXHIBIT FILING DATE: 1997-04-11	55	EXHIBIT FILING DATE: 1997-08-22
56	EXHIBIT APPLICATION NUMBER: 60/043,313	56	EXHIBIT APPLICATION NUMBER: 60/047,593
57	EXHIBIT FILING DATE: 1997-04-11	57	EXHIBIT FILING DATE: 1997-08-22
58	EXHIBIT APPLICATION NUMBER: 60/043,315	58	EXHIBIT APPLICATION NUMBER: 60/047,614
59	EXHIBIT FILING DATE: 1997-04-11	59	EXHIBIT FILING DATE: 1997-08-22
60	EXHIBIT APPLICATION NUMBER: 60/048,974	60	EXHIBIT APPLICATION NUMBER: 60/043,578
61	EXHIBIT FILING DATE: 1997-08-22	61	EXHIBIT FILING DATE: 1997-08-22
62	EXHIBIT APPLICATION NUMBER: 60/056,886	62	EXHIBIT APPLICATION NUMBER: 60/043,576
63	EXHIBIT FILING DATE: 1997-08-22	63	EXHIBIT FILING DATE: 1997-08-22
64	EXHIBIT APPLICATION NUMBER: 60/056,877	64	EXHIBIT APPLICATION NUMBER: 60/043,501
65	EXHIBIT FILING DATE: 1997-08-22	65	EXHIBIT FILING DATE: 1997-08-22
66	EXHIBIT APPLICATION NUMBER: 60/056,889	66	EXHIBIT APPLICATION NUMBER: 60/043,670
67	EXHIBIT FILING DATE: 1997-08-22	67	EXHIBIT FILING DATE: 1997-08-22
68	EXHIBIT APPLICATION NUMBER: 60/056,893	68	EXHIBIT APPLICATION NUMBER: 60/056,652
69	EXHIBIT FILING DATE: 1997-08-22	69	EXHIBIT FILING DATE: 1997-08-22
70	EXHIBIT APPLICATION NUMBER: 60/056,896	70	EXHIBIT APPLICATION NUMBER: 60/056,664
71	EXHIBIT FILING DATE: 1997-08-22	71	EXHIBIT FILING DATE: 1997-08-22

```

Query Match 76.0% Score 15.2 DB 9 Length 2033;
Best Local Similarity 85.0% Pred. No. 1.Se-02;
Matches 17; Conservative 0; Mismatches 3; Indels 0; Gaps 0
07 1 AATTATACGCGCAAGCTCTC 20
    |||||
Db 43 AATTATACGCGCAAGCTCTC 24

```

```

RSPB 376
RSPB 376-4812010-0
Sequence 120: Application US/09981576
Serial No US2001456591
GENERAL INFORMATION:
Title of Invention: 70 Human Secreted Protein
File Reference: P001P
Applicant: 70 Human Secreted Protein
Current Filing Date: 2001-10-19
Prior Application Number: 09/248,545
Prior Filing Date: 1998-09-04/04,162
Prior Application Number: 60/040,333
Prior Filing Date: 1997-03-07
Prior Application Number: 60/038,621
Prior Filing Date: 1997-03-07
Prior Application Number: 60/040,161
Prior Filing Date: 1997-03-07
Prior Application Number: 60/040,656
Prior Filing Date: 1997-03-07
Prior Application Number: 60/040,334
Prior Filing Date: 1997-03-07/04,163
Prior Filing Date: 1997-03-07
Prior Application Number: 60/040,163
Prior Filing Date: 1997-03-07
Prior Application Number: 60/047,615
Prior Filing Date: 1997-03-07
Prior Application Number: 60/047,502
Prior Filing Date: 1997-03-07
Prior Application Number: 60/047,502
Prior Filing Date: 1997-03-07
Prior Application Number: 60/047,583

```

[illegible]



us-09-980-277-3.rnpk

Page 8

[illegible]







US-09-944-413-54

Query Match	74.0%;	Score 14.8;	DB 9;	Length 2331;
Best Local Similarity	88.9%;	Pred. No. 2.1e+02;		
Matches	16;	Conservative	0;	Mismatches 2;
			Indels	0;
			Gaps	0;

QY 1 ATATTAAAGCCACGCTC 18

Db 643 APTTCAAGTCCACGCTC 626

Search completed: May 12, 2003, 04:49:52  
Job time : 20.7143 secs







Accession: AF098954/1  
 Definition: *Drosophila melanogaster* head Bluescript  
 Version: AF098954.1 GI:271883  
 Keywords: EST

Query Match: 82.0% Score 16.4; DB 9; Length 294;  
 Best Local Similarity: 94.4%; Pred. No. 9.e+02;  
 Matches: 17; Conservative: 0; Mismatches: 1; Indels: 0; Gaps: 0;

OR 3 ATTTACACCCCGCCGCTC 20  
 |||||  
 DB 96 ATTTACACCCCGCCGCTC 79

RESULT 7  
 LOCUS: AF098954/1  
 DEFINITION: *Drosophila melanogaster* head Bluescript  
 Accession: AF098954  
 Version: AF098954.1 GI:271883  
 Keywords: EST

ORIGIN  
 1 307  
 /columba="Drosophila melanogaster"  
 /gene="HD6047" /db="GenBank"  
 /accession="AF098954" /version="AF098954.1" /gi="271883"  
 /def="Drosophila melanogaster head Bluescript"  
 /key="Drosophila melanogaster head Bluescript"  
 /email="http://www.fruitfly.org/EST/estfruitfly\_bareley.edu"  
 /plate="60 row 2 column 11"  
 /size="1.307"  
 /source="Drosophila melanogaster"

REFERENCE  
 1 (bases 1 to 307)  
 Bareley, D., Broekel, P., Roy, L., Evans-Holm, K., Su, C., Tsang, S.,  
 Lewis, S., and Robinson, M.  
 (Unpublished 2001) EST project

TITLE  
 Drosophila melanogaster head Bluescript  
 AUTHORS  
 Bareley, D., Broekel, P., Roy, L., Evans-Holm, K., Su, C., Tsang, S.,  
 Lewis, S., and Robinson, M.  
 (Unpublished 2001) EST project

COMMENT  
 Contact: Stapleton, K.  
 Lawrence Berkeley National Lab  
 One Cyclotron Rd., Berkeley, CA 94720, USA  
 Email: http://www.fruitfly.org/EST/estfruitfly\_bareley.edu  
 Plate: 60 row 2 column 11  
 Size: 1.307  
 Source: Drosophila melanogaster

FEATURES  
 SOURCE  
 Location/Qualifiers  
 /columba="Drosophila melanogaster"  
 /strain="Columbia 01"  
 /db\_xref="taxon:3102"  
 /accession="AF098954" /version="AF098954.1" /gi="271883"  
 /def="Drosophila melanogaster head Bluescript"  
 /key="Drosophila melanogaster head Bluescript"  
 /email="http://www.fruitfly.org/EST/estfruitfly\_bareley.edu"  
 /plate="60 row 2 column 11"  
 /size="1.307"  
 /source="Drosophila melanogaster"

ORIGIN  
 1 307  
 /columba="Drosophila melanogaster"  
 /strain="Columbia 01"  
 /db\_xref="taxon:3102"  
 /accession="AF098954" /version="AF098954.1" /gi="271883"  
 /def="Drosophila melanogaster head Bluescript"  
 /key="Drosophila melanogaster head Bluescript"  
 /email="http://www.fruitfly.org/EST/estfruitfly\_bareley.edu"  
 /plate="60 row 2 column 11"  
 /size="1.307"  
 /source="Drosophila melanogaster"

ORIGIN  
 1 307  
 /columba="Drosophila melanogaster"  
 /strain="Columbia 01"  
 /db\_xref="taxon:3102"  
 /accession="AF098954" /version="AF098954.1" /gi="271883"  
 /def="Drosophila melanogaster head Bluescript"  
 /key="Drosophila melanogaster head Bluescript"  
 /email="http://www.fruitfly.org/EST/estfruitfly\_bareley.edu"  
 /plate="60 row 2 column 11"  
 /size="1.307"  
 /source="Drosophila melanogaster"

ORIGIN  
 1 307  
 /columba="Drosophila melanogaster"  
 /strain="Columbia 01"  
 /db\_xref="taxon:3102"  
 /accession="AF098954" /version="AF098954.1" /gi="271883"  
 /def="Drosophila melanogaster head Bluescript"  
 /key="Drosophila melanogaster head Bluescript"  
 /email="http://www.fruitfly.org/EST/estfruitfly\_bareley.edu"  
 /plate="60 row 2 column 11"  
 /size="1.307"  
 /source="Drosophila melanogaster"

ORIGIN  
 1 307  
 /columba="Drosophila melanogaster"  
 /strain="Columbia 01"  
 /db\_xref="taxon:3102"  
 /accession="AF098954" /version="AF098954.1" /gi="271883"  
 /def="Drosophila melanogaster head Bluescript"  
 /key="Drosophila melanogaster head Bluescript"  
 /email="http://www.fruitfly.org/EST/estfruitfly\_bareley.edu"  
 /plate="60 row 2 column 11"  
 /size="1.307"  
 /source="Drosophila melanogaster"

ORIGIN  
 1 307  
 /columba="Drosophila melanogaster"  
 /strain="Columbia 01"  
 /db\_xref="taxon:3102"  
 /accession="AF098954" /version="AF098954.1" /gi="271883"  
 /def="Drosophila melanogaster head Bluescript"  
 /key="Drosophila melanogaster head Bluescript"  
 /email="http://www.fruitfly.org/EST/estfruitfly\_bareley.edu"  
 /plate="60 row 2 column 11"  
 /size="1.307"  
 /source="Drosophila melanogaster"

ORIGIN  
 1 307  
 /columba="Drosophila melanogaster"  
 /strain="Columbia 01"  
 /db\_xref="taxon:3102"  
 /accession="AF098954" /version="AF098954.1" /gi="271883"  
 /def="Drosophila melanogaster head Bluescript"  
 /key="Drosophila melanogaster head Bluescript"  
 /email="http://www.fruitfly.org/EST/estfruitfly\_bareley.edu"  
 /plate="60 row 2 column 11"  
 /size="1.307"  
 /source="Drosophila melanogaster"

Accession: AF098954/1  
 Definition: *Drosophila melanogaster* head Bluescript  
 Version: AF098954.1 GI:271883  
 Keywords: EST

Query Match: 82.0% Score 16.4; DB 9; Length 307;  
 Best Local Similarity: 94.4%; Pred. No. 9.e+02;  
 Matches: 17; Conservative: 0; Mismatches: 1; Indels: 0; Gaps: 0;

OR 3 ATTTACACCCCGCCGCTC 20  
 |||||  
 DB 96 ATTTACACCCCGCCGCTC 79

RESULT 7  
 LOCUS: AF098954/1  
 DEFINITION: *Drosophila melanogaster* head Bluescript  
 Accession: AF098954  
 Version: AF098954.1 GI:271883  
 Keywords: EST

ORIGIN  
 1 307  
 /columba="Drosophila melanogaster"  
 /gene="HD6047" /db="GenBank"  
 /accession="AF098954" /version="AF098954.1" /gi="271883"  
 /def="Drosophila melanogaster head Bluescript"  
 /key="Drosophila melanogaster head Bluescript"  
 /email="http://www.fruitfly.org/EST/estfruitfly\_bareley.edu"  
 /plate="60 row 2 column 11"  
 /size="1.307"  
 /source="Drosophila melanogaster"

REFERENCE  
 1 (bases 1 to 307)  
 Bareley, D., Broekel, P., Roy, L., Evans-Holm, K., Su, C., Tsang, S.,  
 Lewis, S., and Robinson, M.  
 (Unpublished 2001) EST project

TITLE  
 Drosophila melanogaster head Bluescript  
 AUTHORS  
 Bareley, D., Broekel, P., Roy, L., Evans-Holm, K., Su, C., Tsang, S.,  
 Lewis, S., and Robinson, M.  
 (Unpublished 2001) EST project

COMMENT  
 Contact: Stapleton, K.  
 Lawrence Berkeley National Lab  
 One Cyclotron Rd., Berkeley, CA 94720, USA  
 Email: http://www.fruitfly.org/EST/estfruitfly\_bareley.edu  
 Plate: 60 row 2 column 11  
 Size: 1.307  
 Source: Drosophila melanogaster

FEATURES  
 SOURCE  
 Location/Qualifiers  
 /columba="Drosophila melanogaster"  
 /strain="Columbia 01"  
 /db\_xref="taxon:3102"  
 /accession="AF098954" /version="AF098954.1" /gi="271883"  
 /def="Drosophila melanogaster head Bluescript"  
 /key="Drosophila melanogaster head Bluescript"  
 /email="http://www.fruitfly.org/EST/estfruitfly\_bareley.edu"  
 /plate="60 row 2 column 11"  
 /size="1.307"  
 /source="Drosophila melanogaster"

ORIGIN  
 1 307  
 /columba="Drosophila melanogaster"  
 /strain="Columbia 01"  
 /db\_xref="taxon:3102"  
 /accession="AF098954" /version="AF098954.1" /gi="271883"  
 /def="Drosophila melanogaster head Bluescript"  
 /key="Drosophila melanogaster head Bluescript"  
 /email="http://www.fruitfly.org/EST/estfruitfly\_bareley.edu"  
 /plate="60 row 2 column 11"  
 /size="1.307"  
 /source="Drosophila melanogaster"

ORIGIN  
 1 307  
 /columba="Drosophila melanogaster"  
 /strain="Columbia 01"  
 /db\_xref="taxon:3102"  
 /accession="AF098954" /version="AF098954.1" /gi="271883"  
 /def="Drosophila melanogaster head Bluescript"  
 /key="Drosophila melanogaster head Bluescript"  
 /email="http://www.fruitfly.org/EST/estfruitfly\_bareley.edu"  
 /plate="60 row 2 column 11"  
 /size="1.307"  
 /source="Drosophila melanogaster"

ORIGIN  
 1 307  
 /columba="Drosophila melanogaster"  
 /strain="Columbia 01"  
 /db\_xref="taxon:3102"  
 /accession="AF098954" /version="AF098954.1" /gi="271883"  
 /def="Drosophila melanogaster head Bluescript"  
 /key="Drosophila melanogaster head Bluescript"  
 /email="http://www.fruitfly.org/EST/estfruitfly\_bareley.edu"  
 /plate="60 row 2 column 11"  
 /size="1.307"  
 /source="Drosophila melanogaster"

ORIGIN  
 1 307  
 /columba="Drosophila melanogaster"  
 /strain="Columbia 01"  
 /db\_xref="taxon:3102"  
 /accession="AF098954" /version="AF098954.1" /gi="271883"  
 /def="Drosophila melanogaster head Bluescript"  
 /key="Drosophila melanogaster head Bluescript"  
 /email="http://www.fruitfly.org/EST/estfruitfly\_bareley.edu"  
 /plate="60 row 2 column 11"  
 /size="1.307"  
 /source="Drosophila melanogaster"

ORIGIN  
 1 307  
 /columba="Drosophila melanogaster"  
 /strain="Columbia 01"  
 /db\_xref="taxon:3102"  
 /accession="AF098954" /version="AF098954.1" /gi="271883"  
 /def="Drosophila melanogaster head Bluescript"  
 /key="Drosophila melanogaster head Bluescript"  
 /email="http://www.fruitfly.org/EST/estfruitfly\_bareley.edu"  
 /plate="60 row 2 column 11"  
 /size="1.307"  
 /source="Drosophila melanogaster"

ORIGIN  
 1 307  
 /columba="Drosophila melanogaster"  
 /strain="Columbia 01"  
 /db\_xref="taxon:3102"  
 /accession="AF098954" /version="AF098954.1" /gi="271883"  
 /def="Drosophila melanogaster head Bluescript"  
 /key="Drosophila melanogaster head Bluescript"  
 /email="http://www.fruitfly.org/EST/estfruitfly\_bareley.edu"  
 /plate="60 row 2 column 11"  
 /size="1.307"  
 /source="Drosophila melanogaster"







